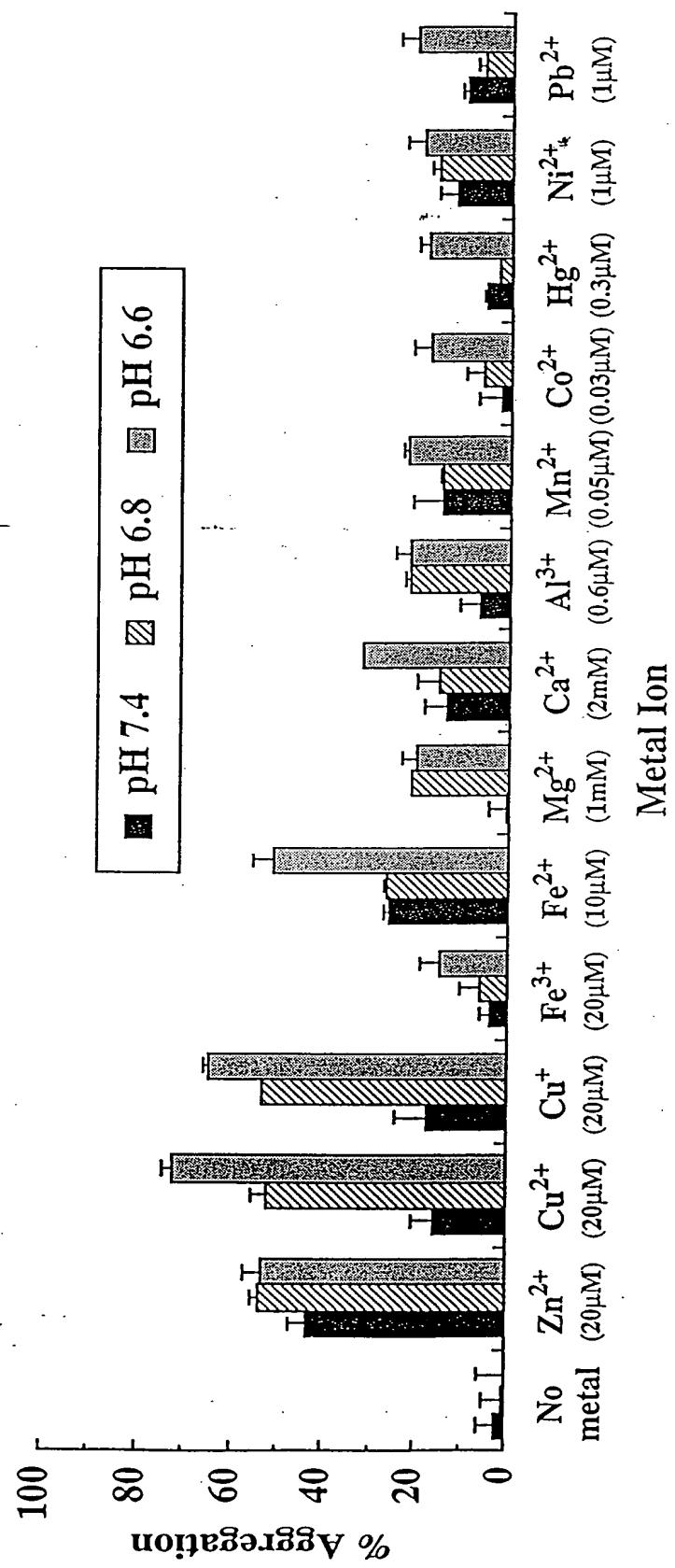


Fig 1



F: 9 2A

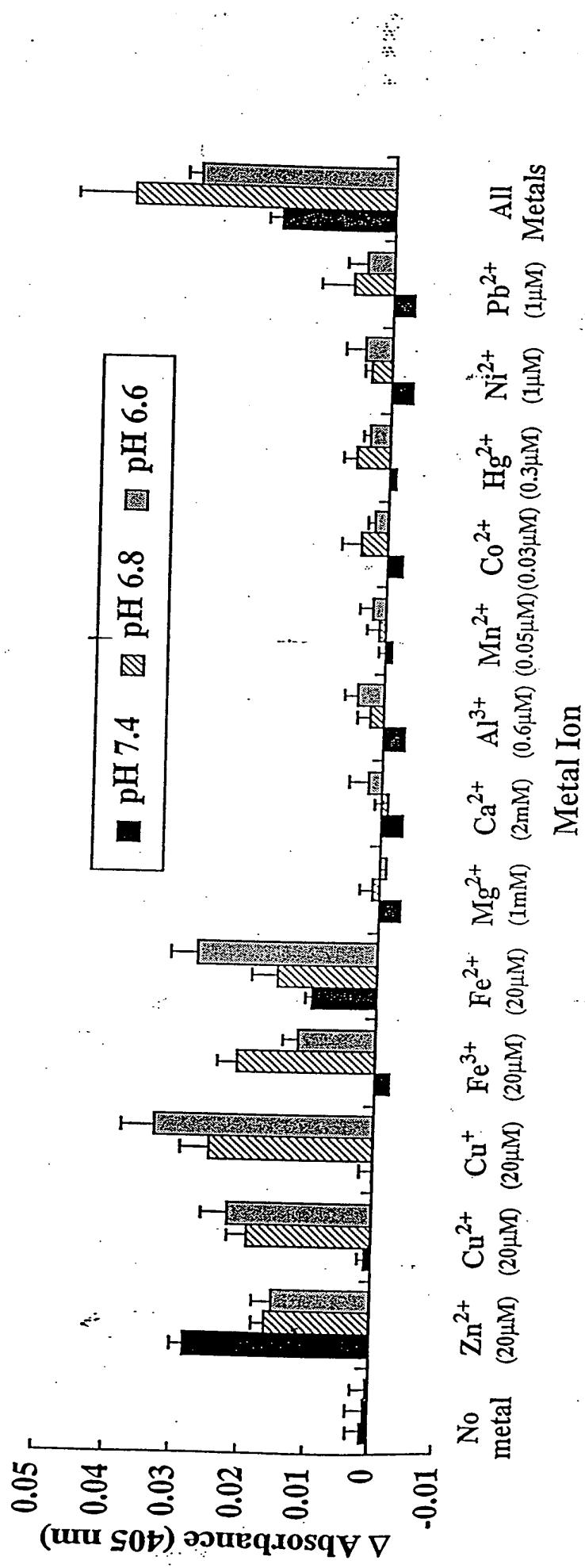


Fig. 2B

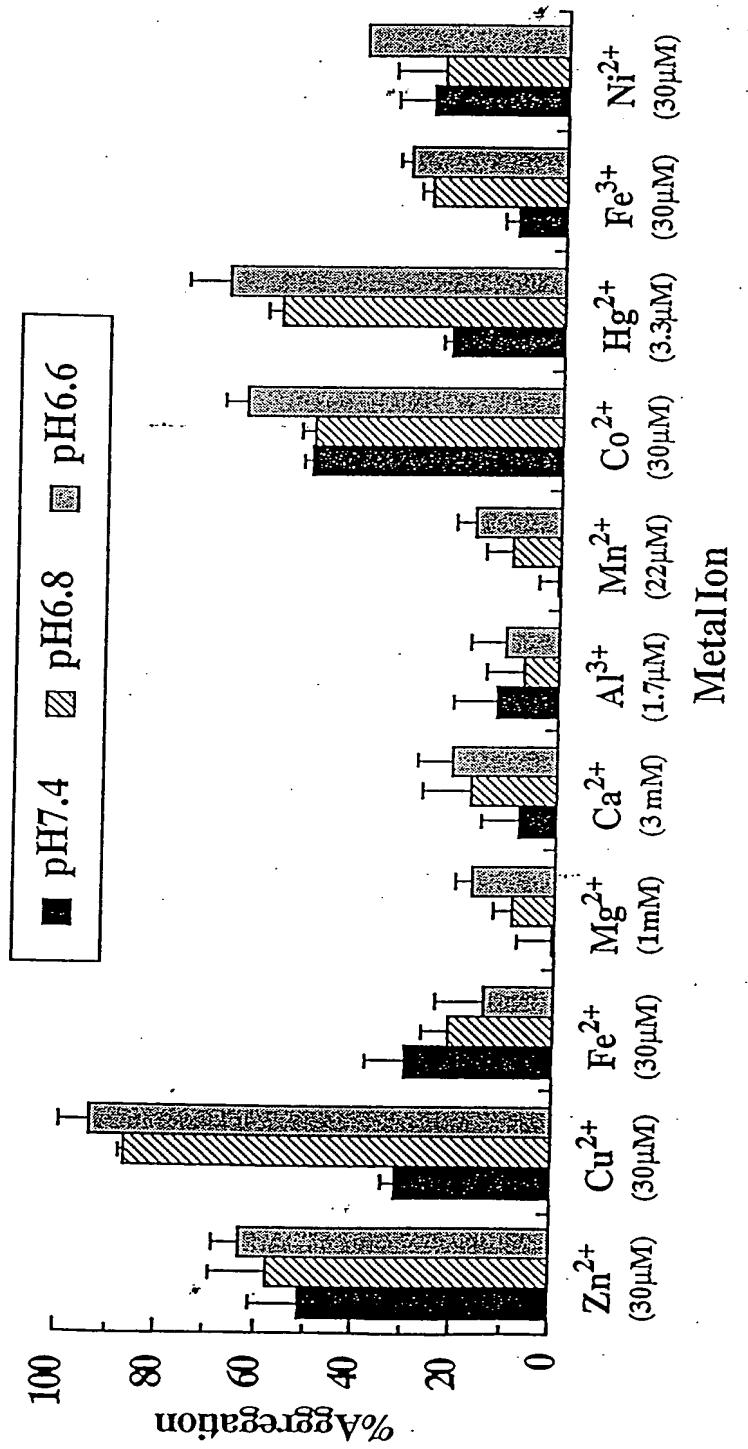


Fig 2C

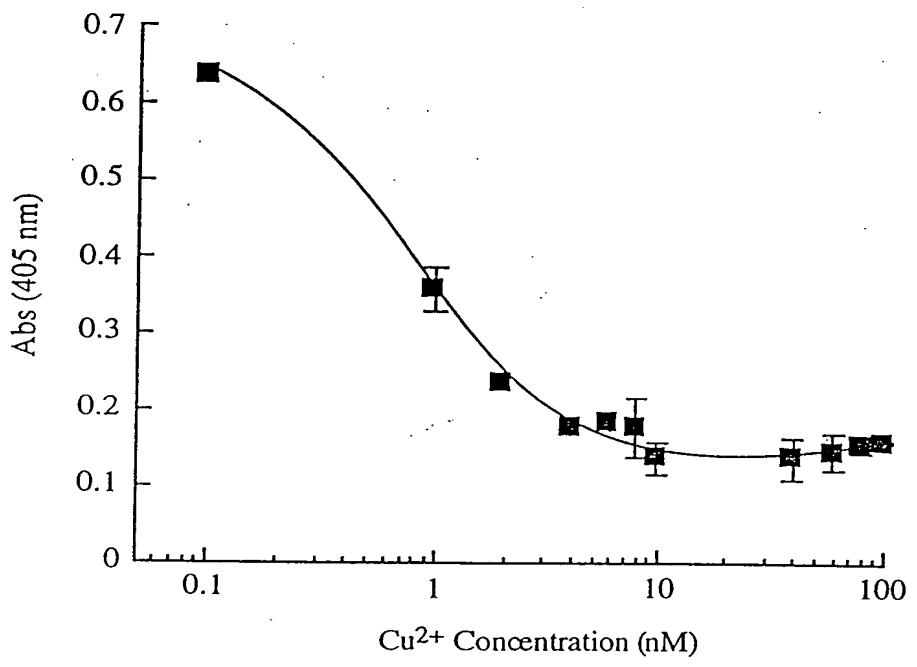


Fig. 3

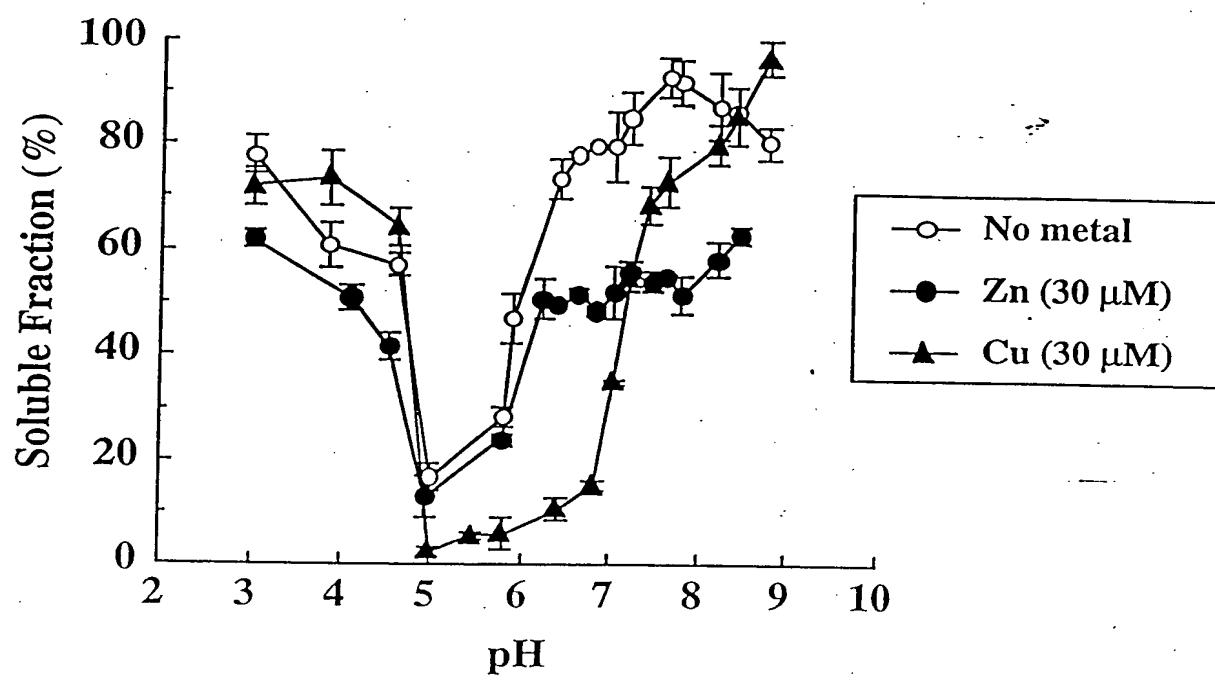


Fig. 4 A

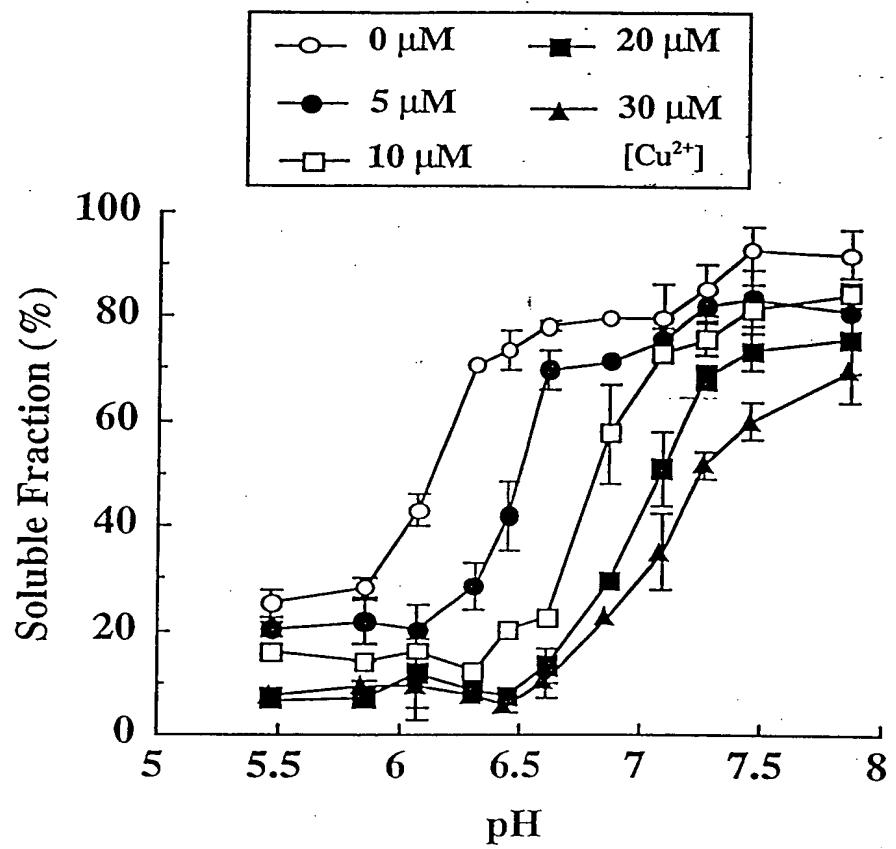


Fig 4B.

Relative Signal

□ pH 7.4 ▨ pH 6.6

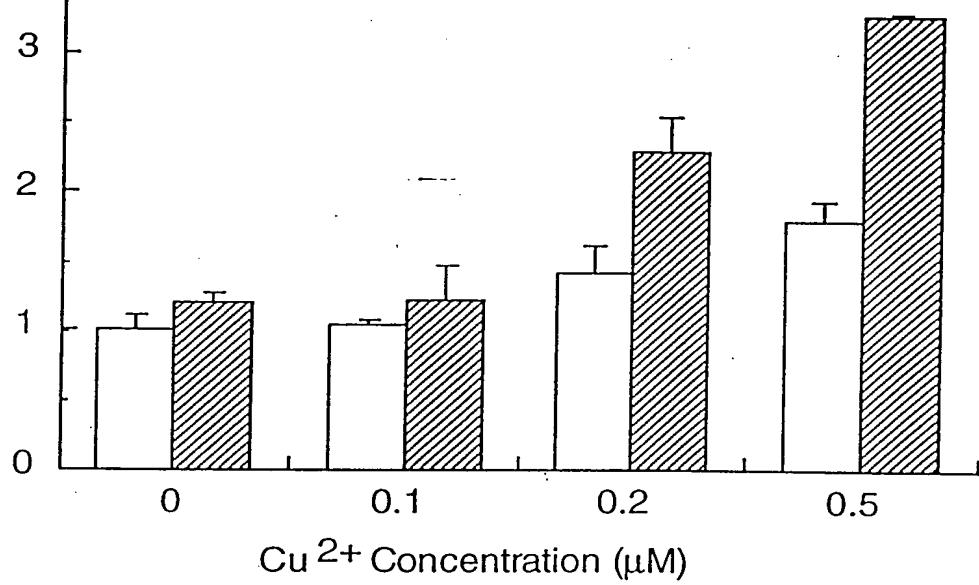


Fig. 4 C

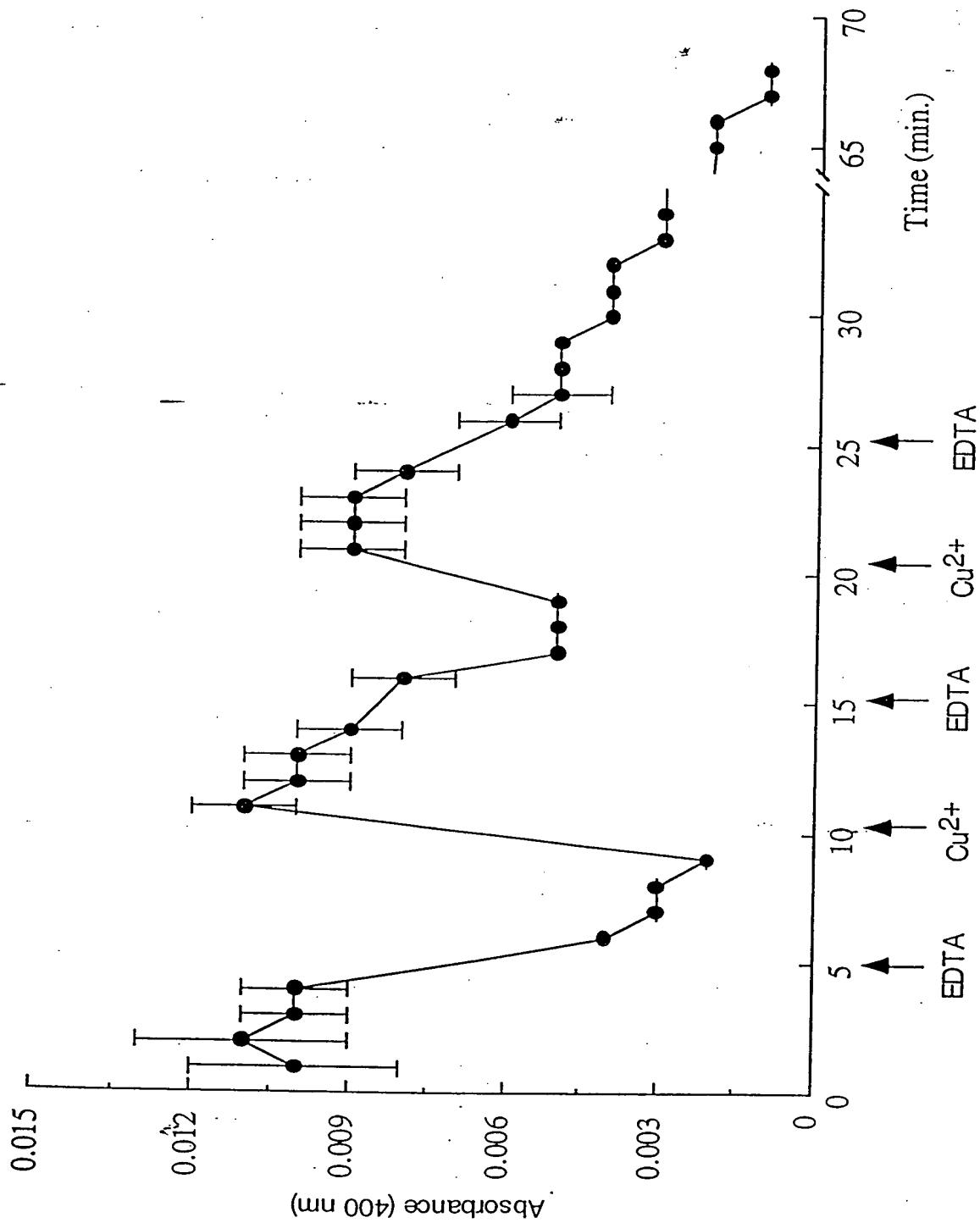


Fig. 5 A

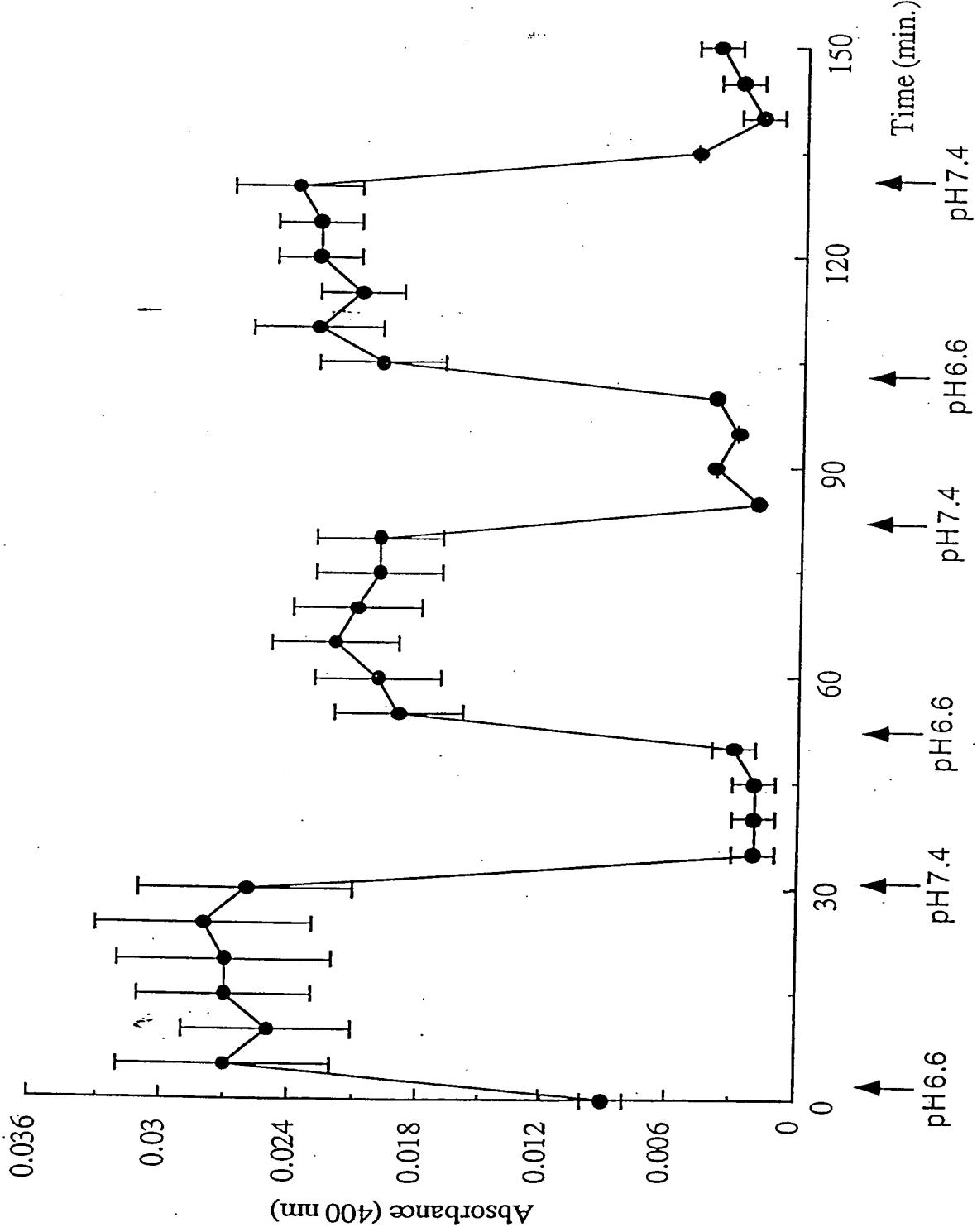


Fig. 5B

APP₆₆₉₋₇₁₆

VKMDAEFRHDSGYEVHHQKLVFFAEDVGSNKGAIGLMVGGVVIAATVI

10 20 30 40

AB1-42

β α γ

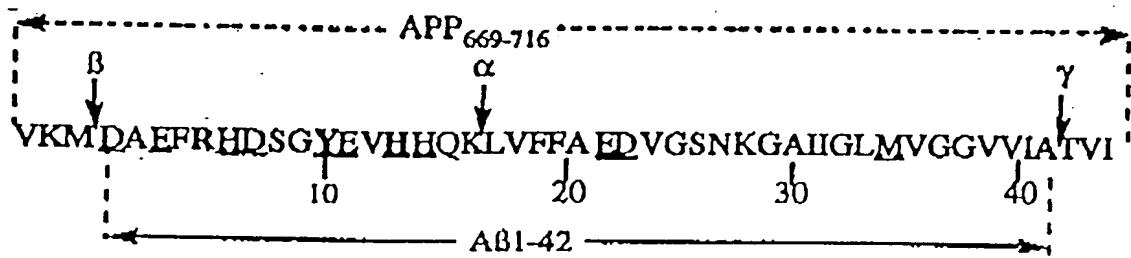


Fig 6

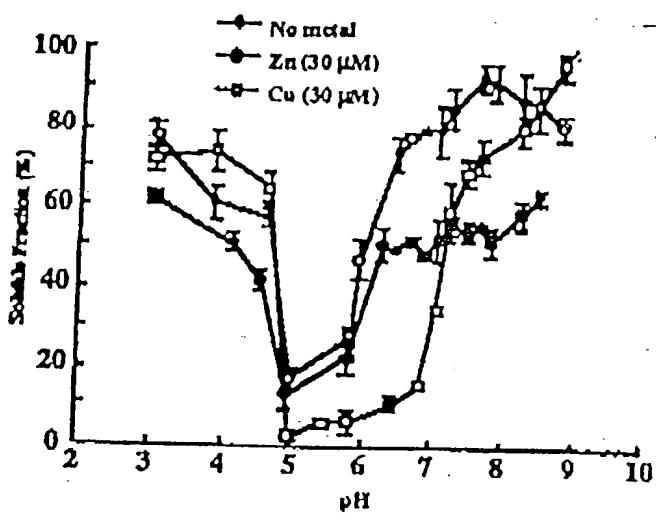


Fig. 7

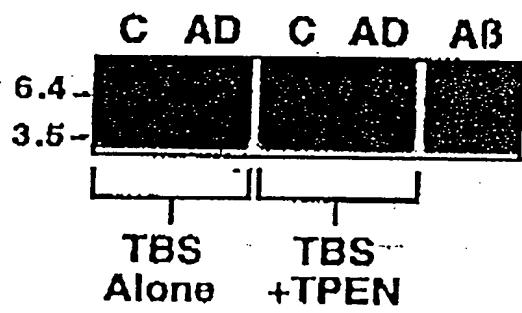


Fig. 8

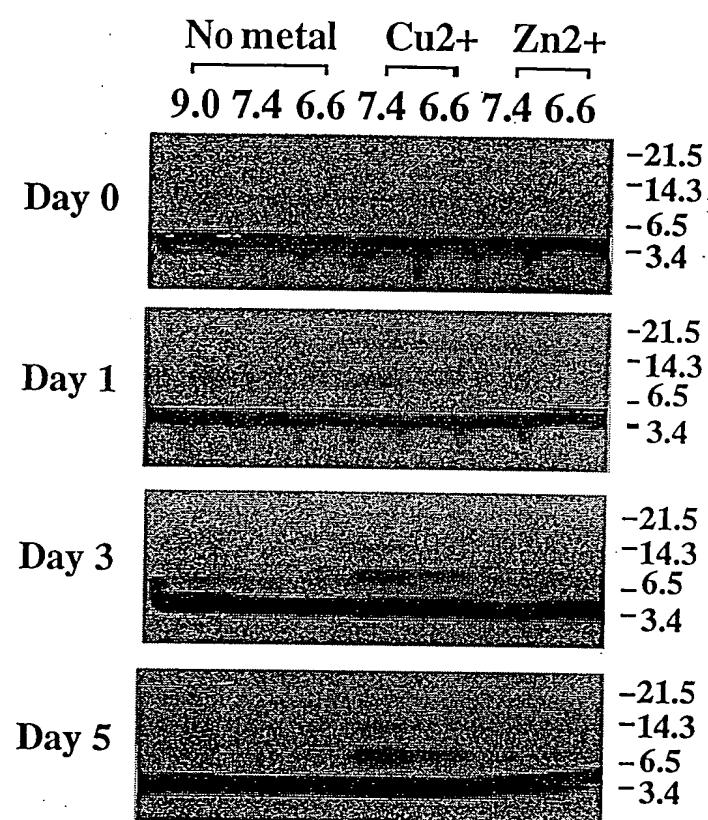


Fig. 9

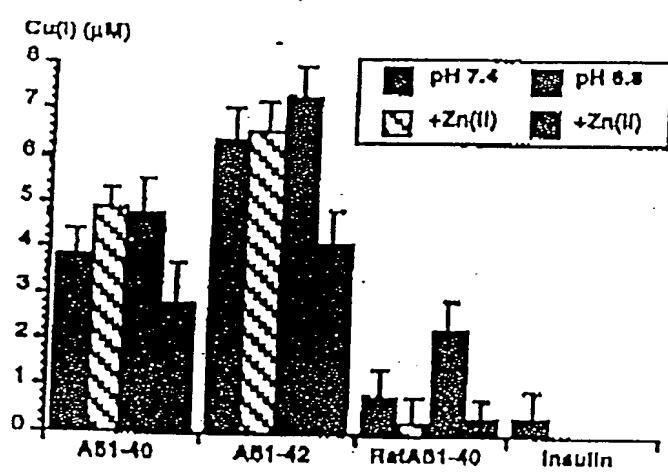


Fig. 10

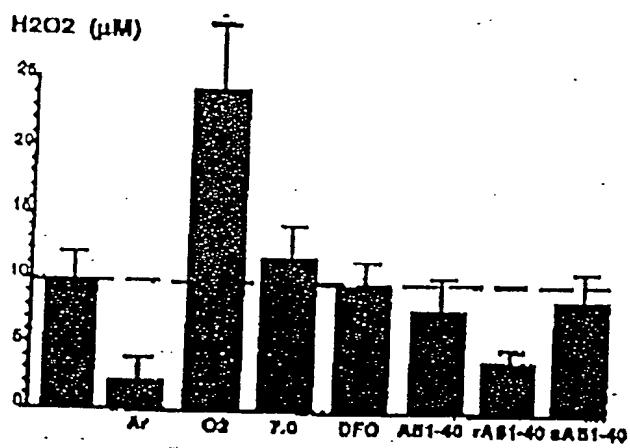


Fig. 11

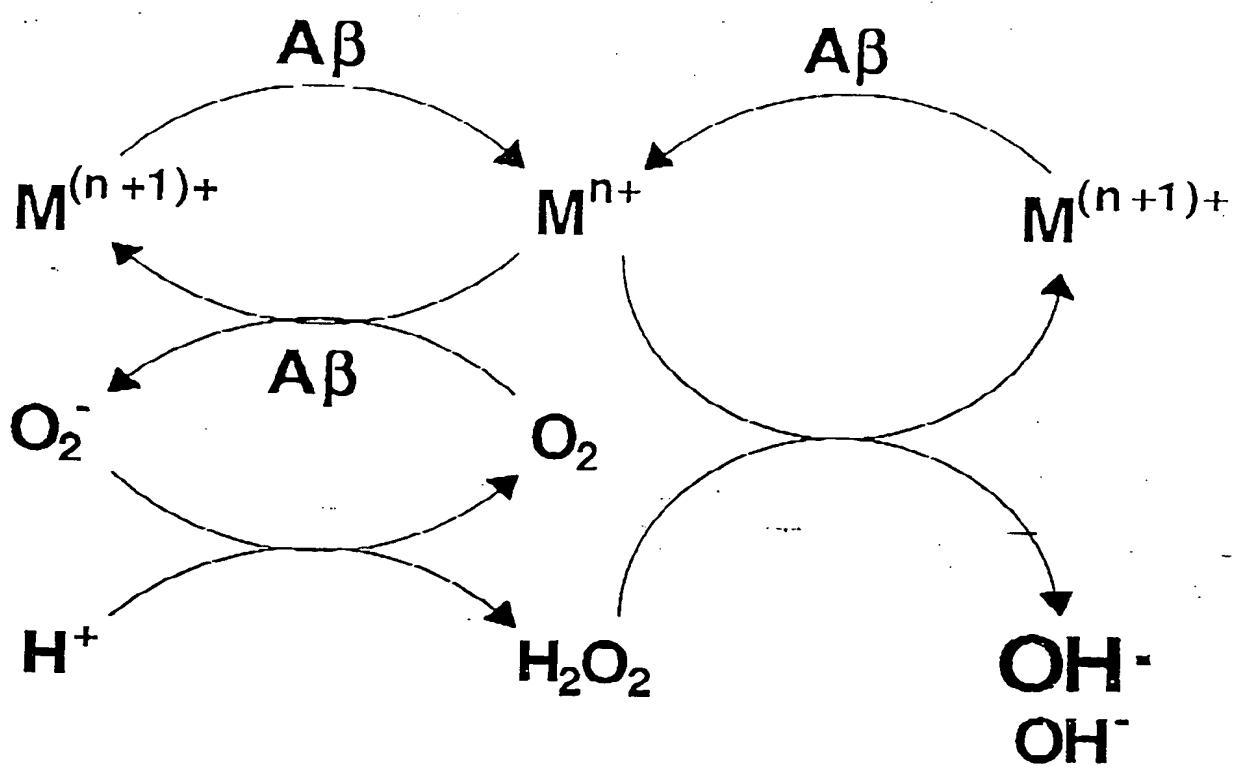


Fig. 12

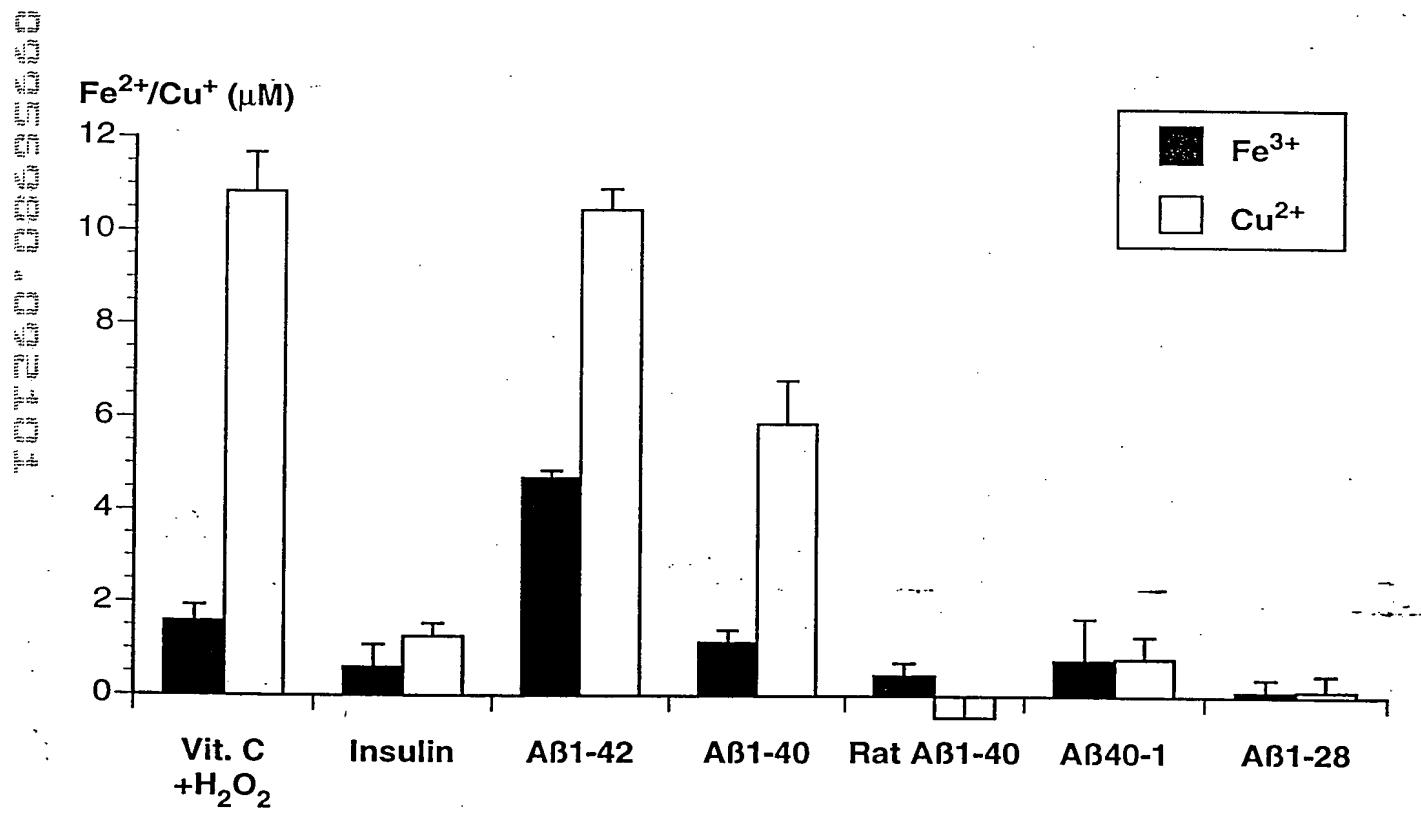


Fig. 13A

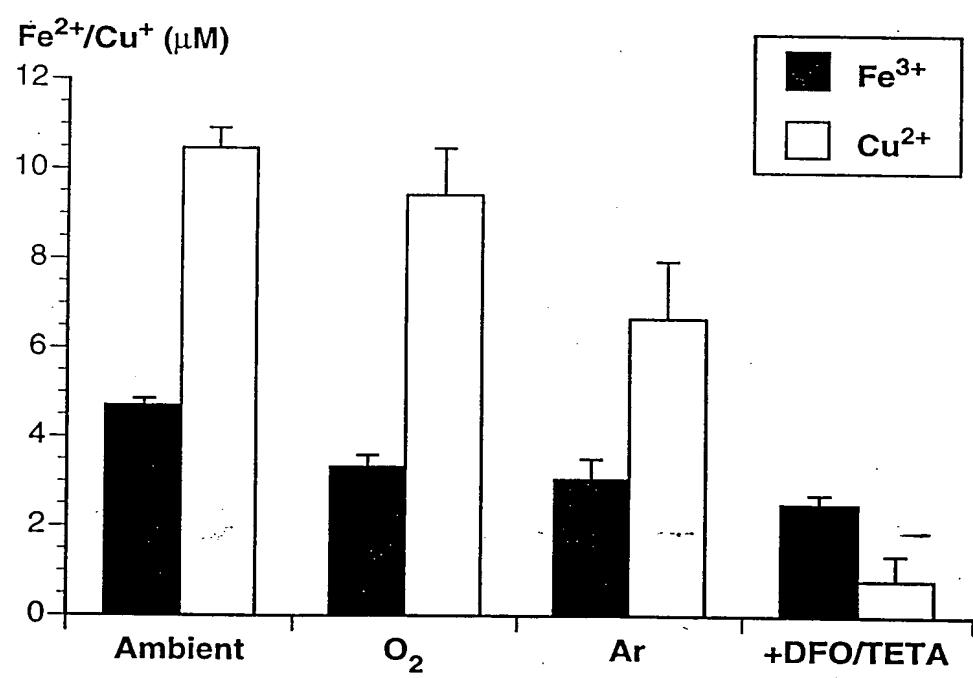


Fig. 13B

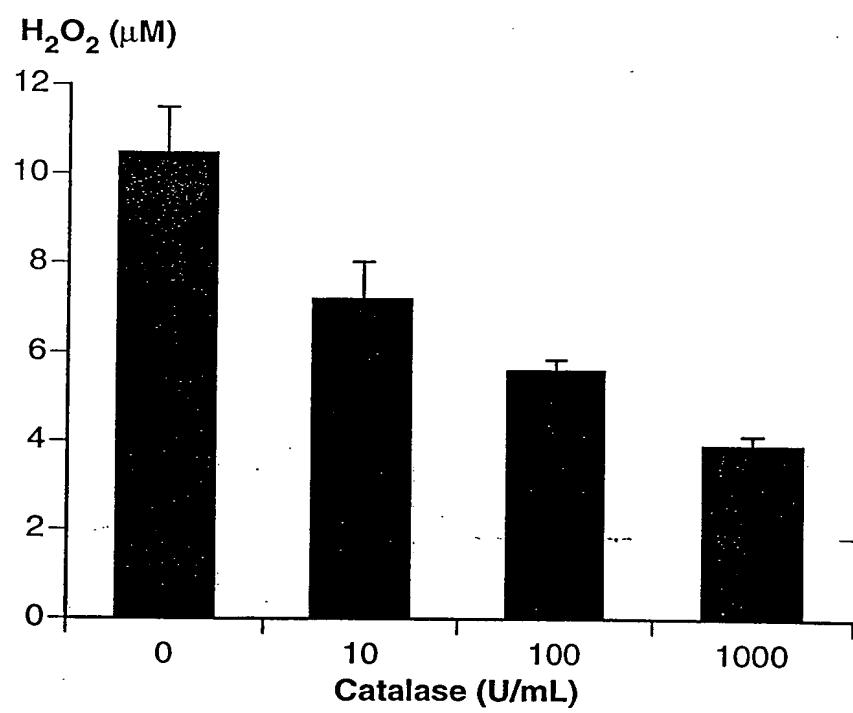


Fig. 14A

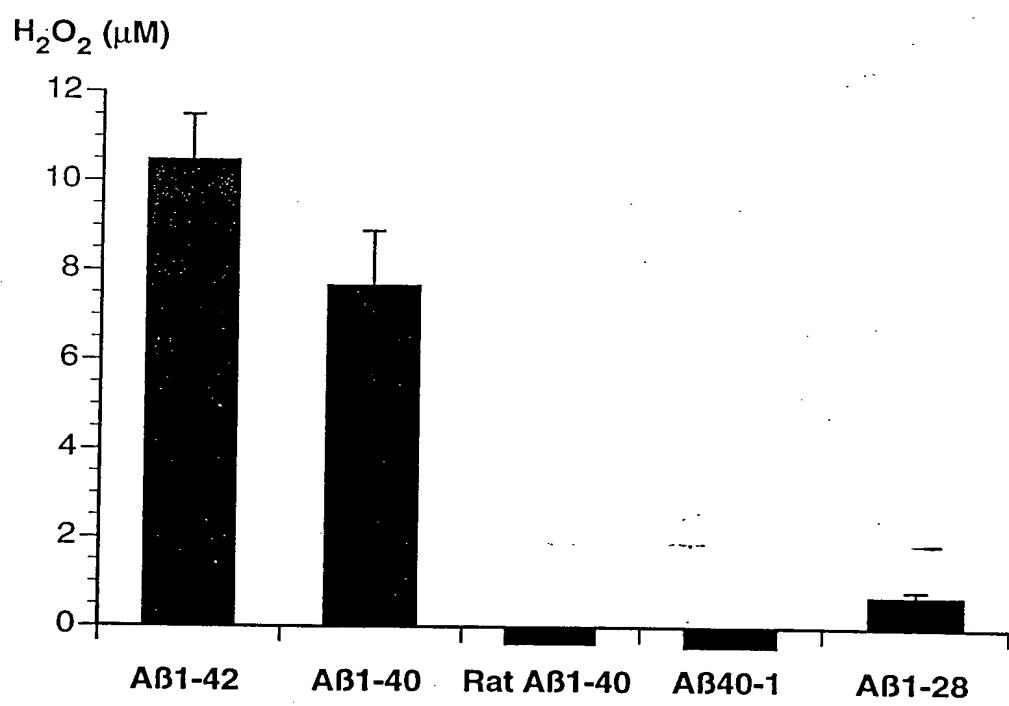


Fig. 14B

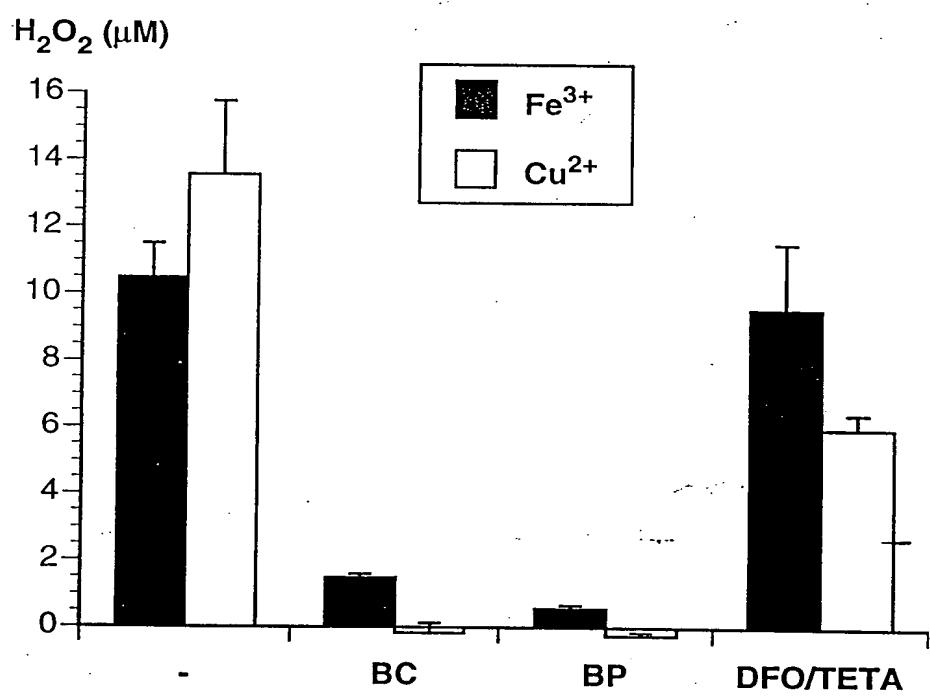


Fig. 14C

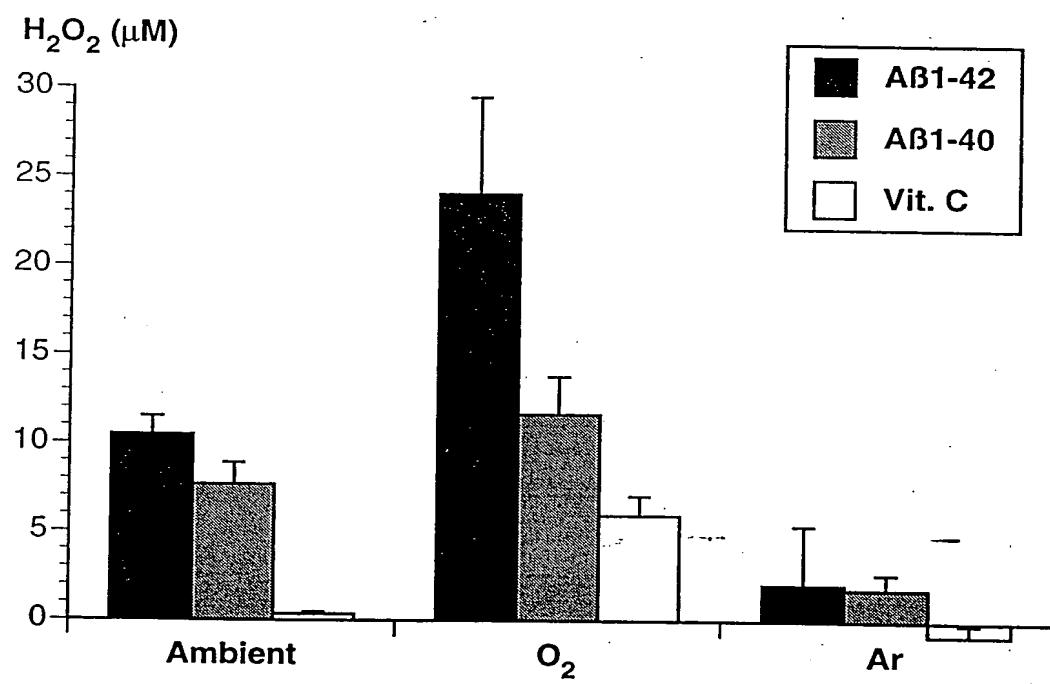


Fig. 14D

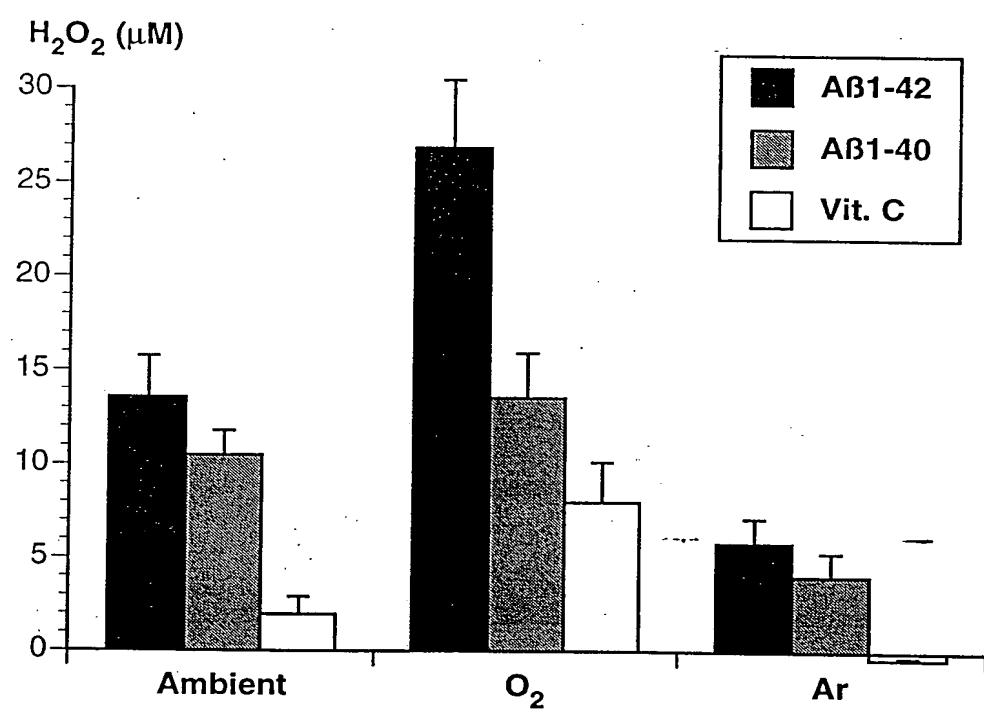


Fig. 14E

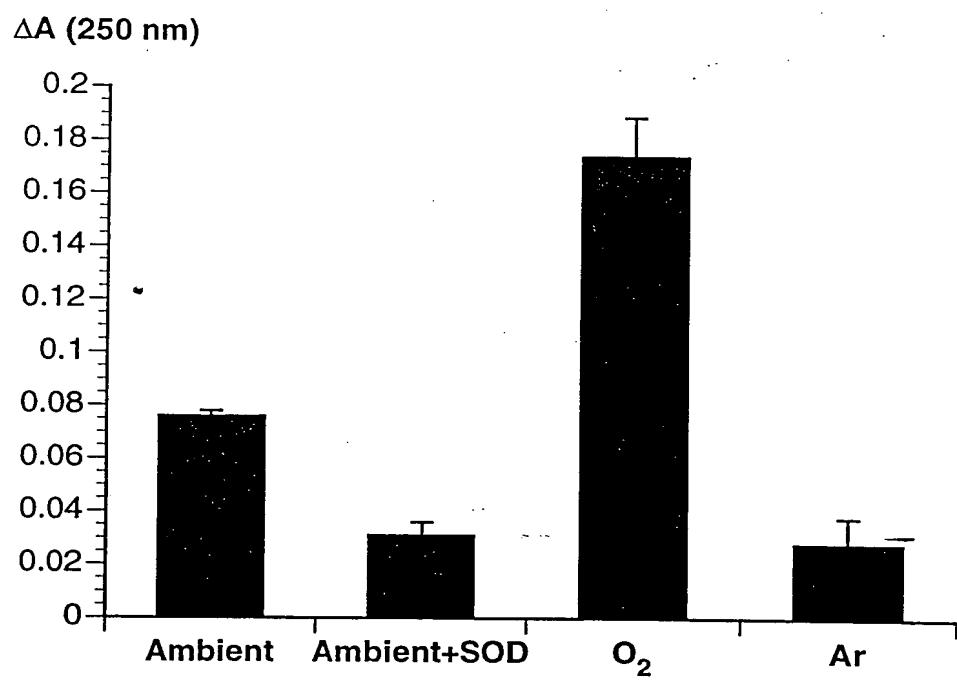


Fig. 15A

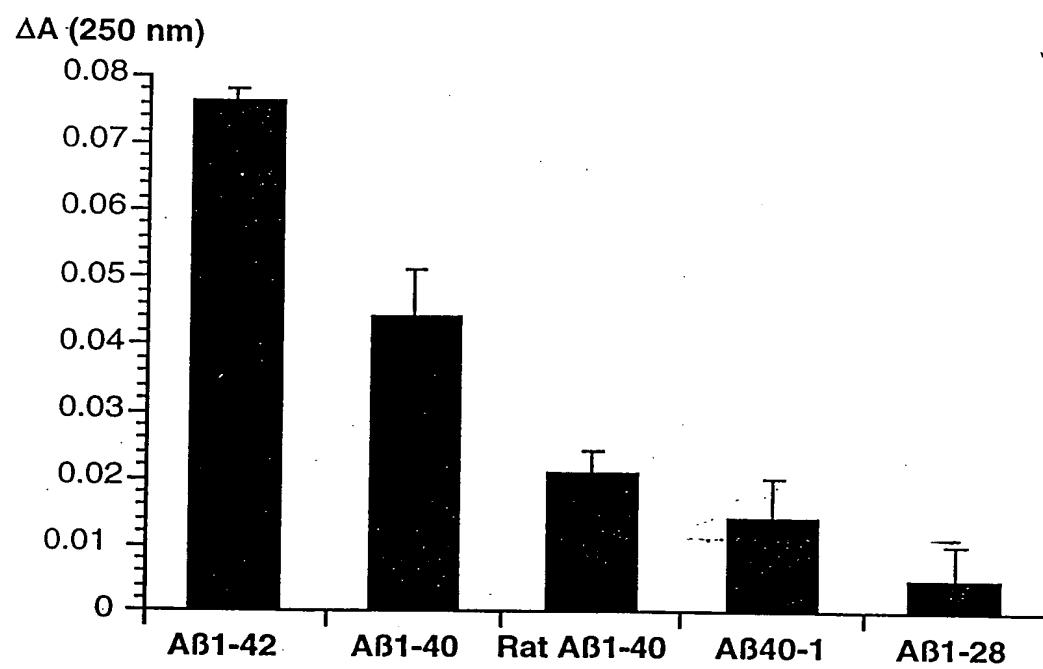


Fig. 15B

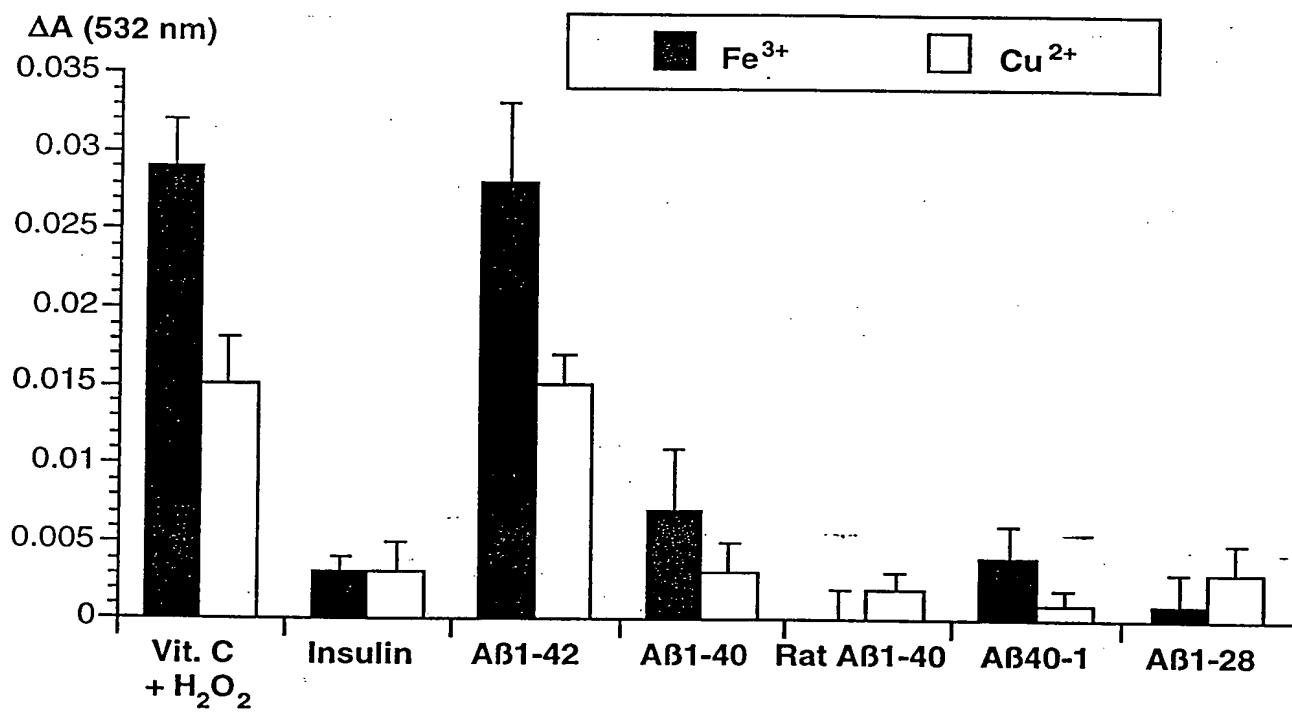


Fig. 16A

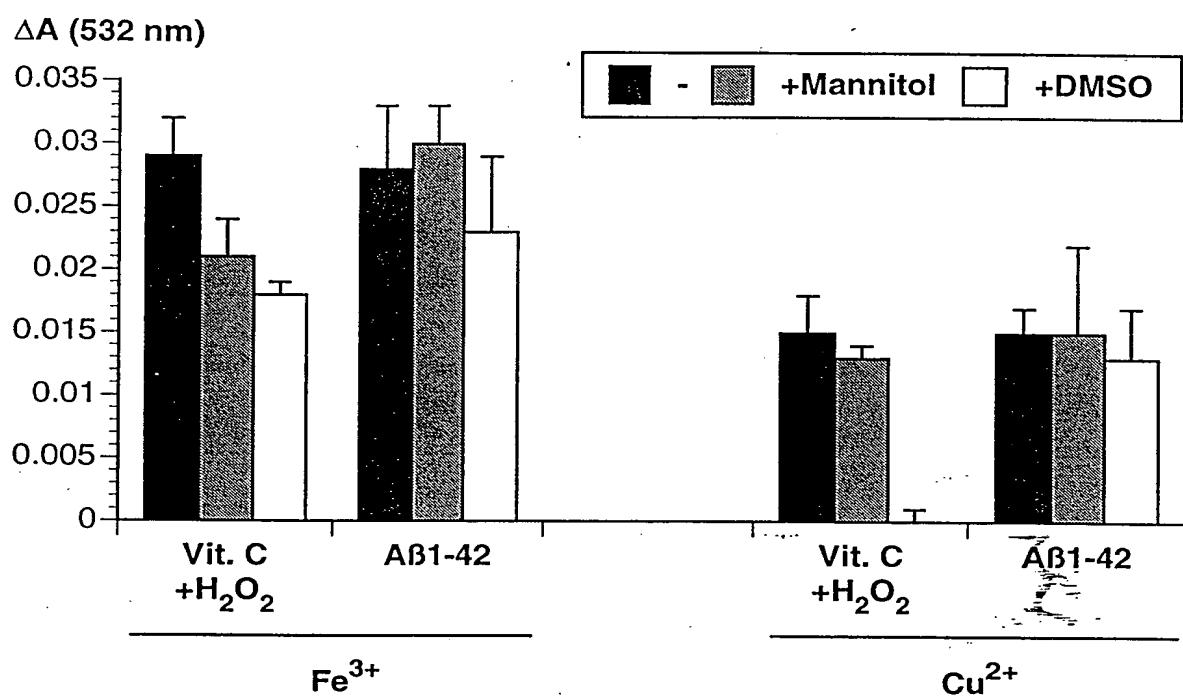


Fig. 16B

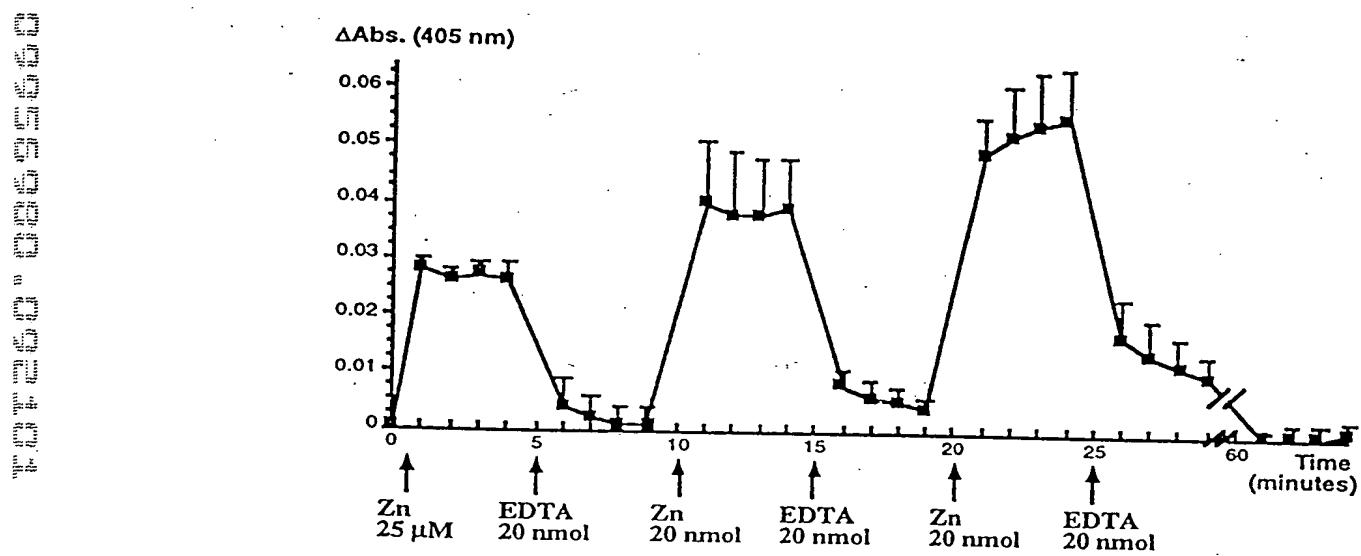


Fig. 17

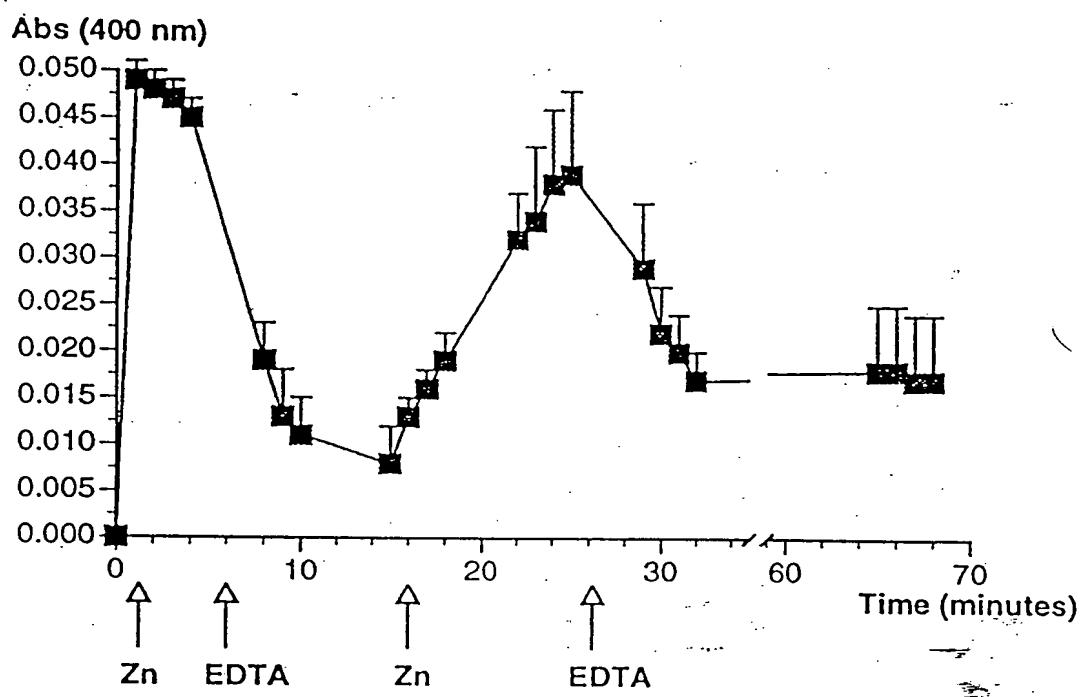


Fig. 18

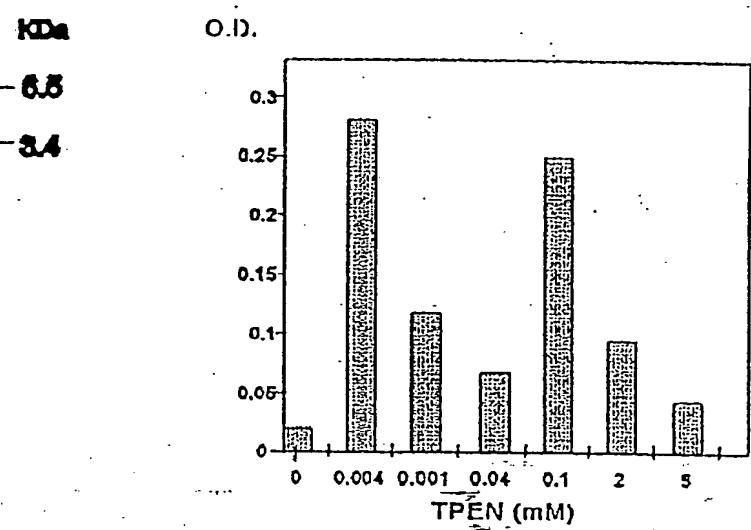
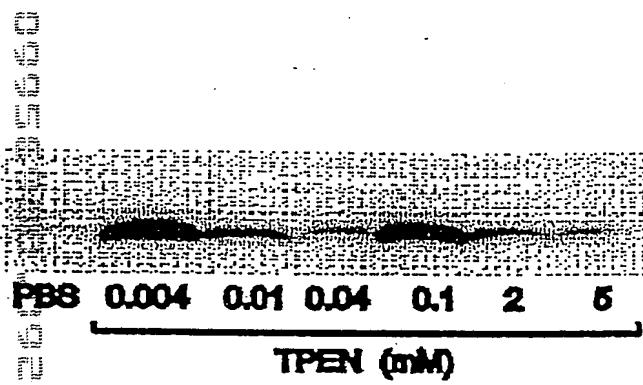


Fig. 19A

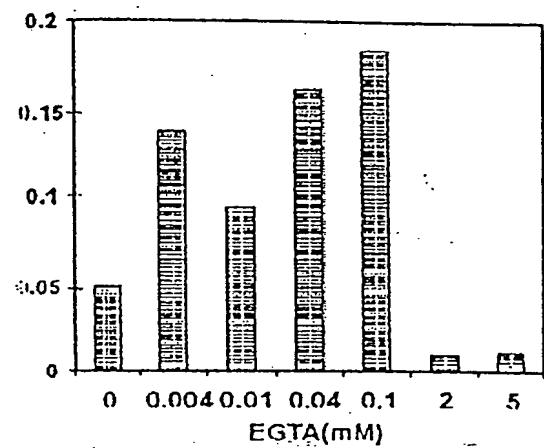
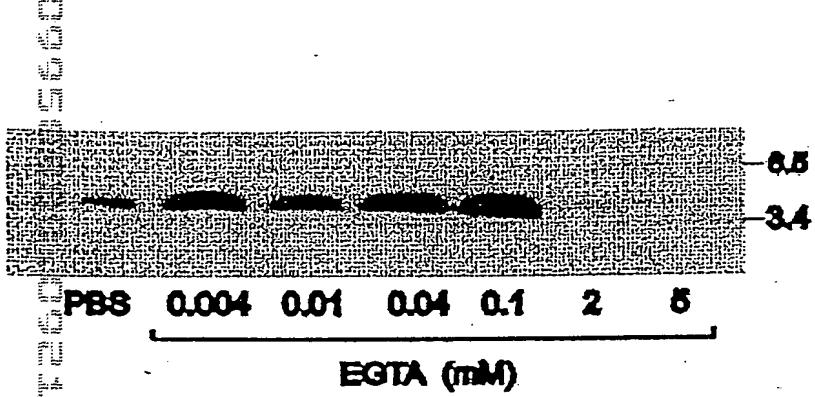


Fig. 19B

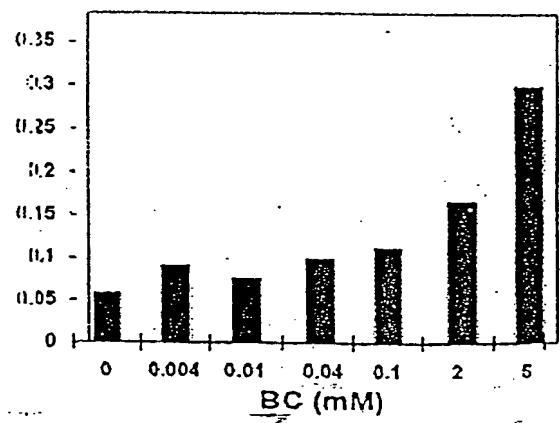
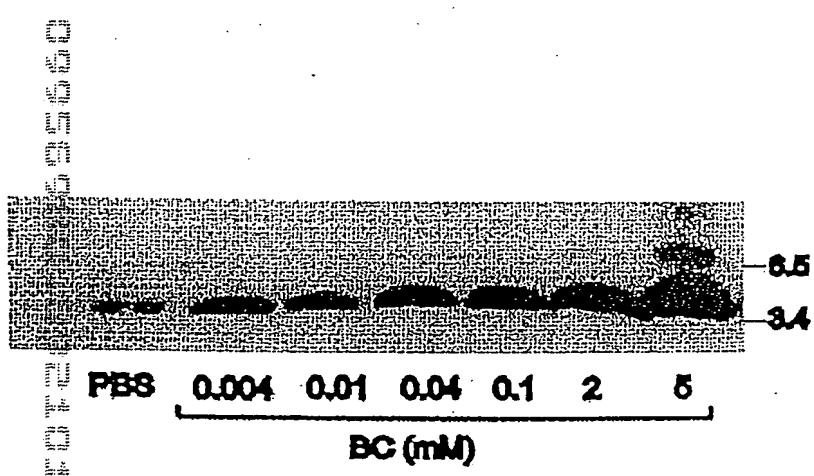
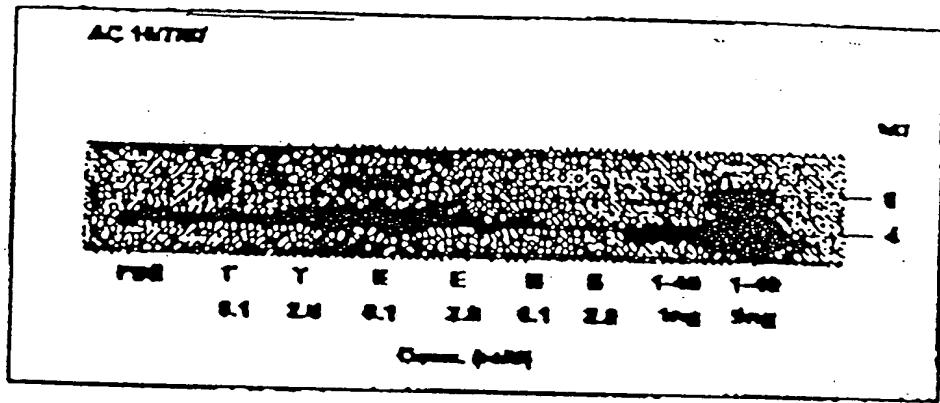


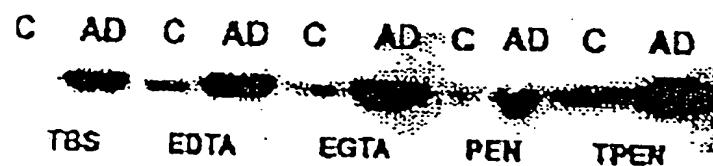
Fig. 19C

00000000000000000000



Age-matched control- (indicative gel)

Fig. 20A



Young control vs AD, various chelators. 5mM

Fig. 20B

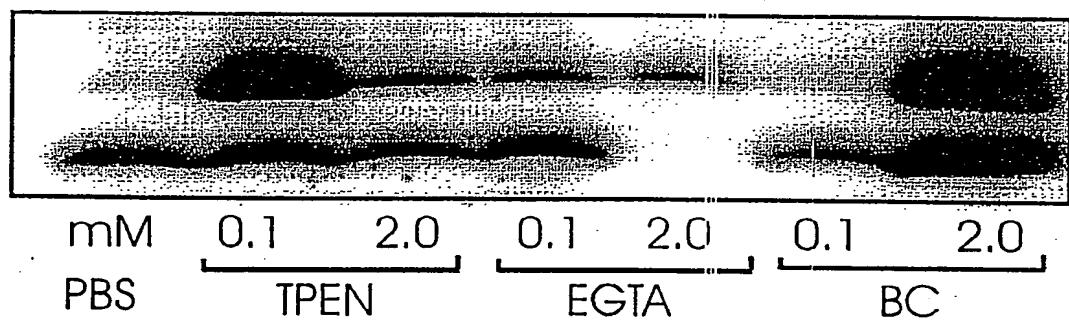


Fig. 21

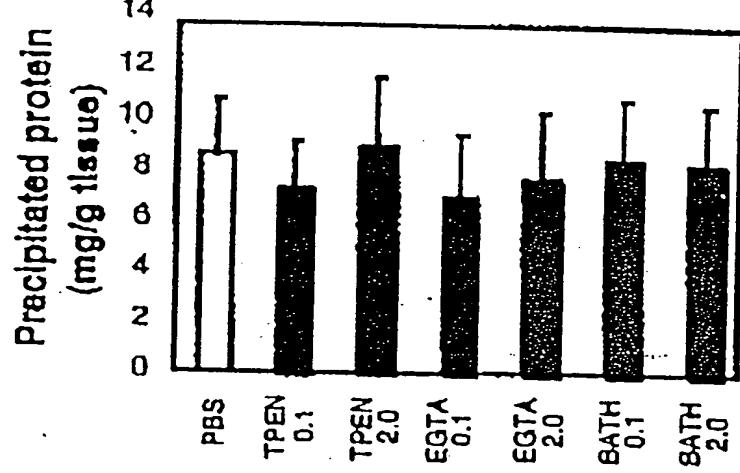


Fig. 22

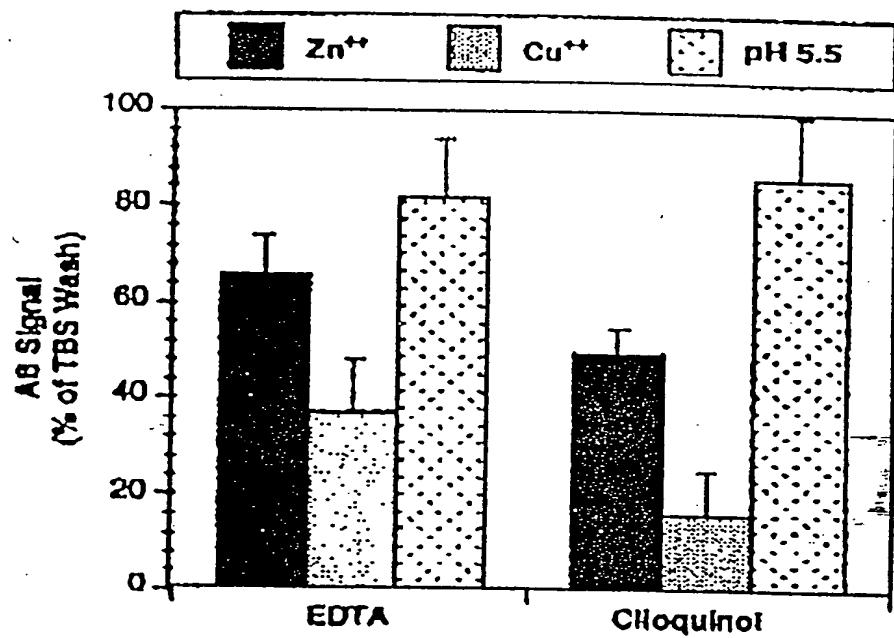


Fig. 23

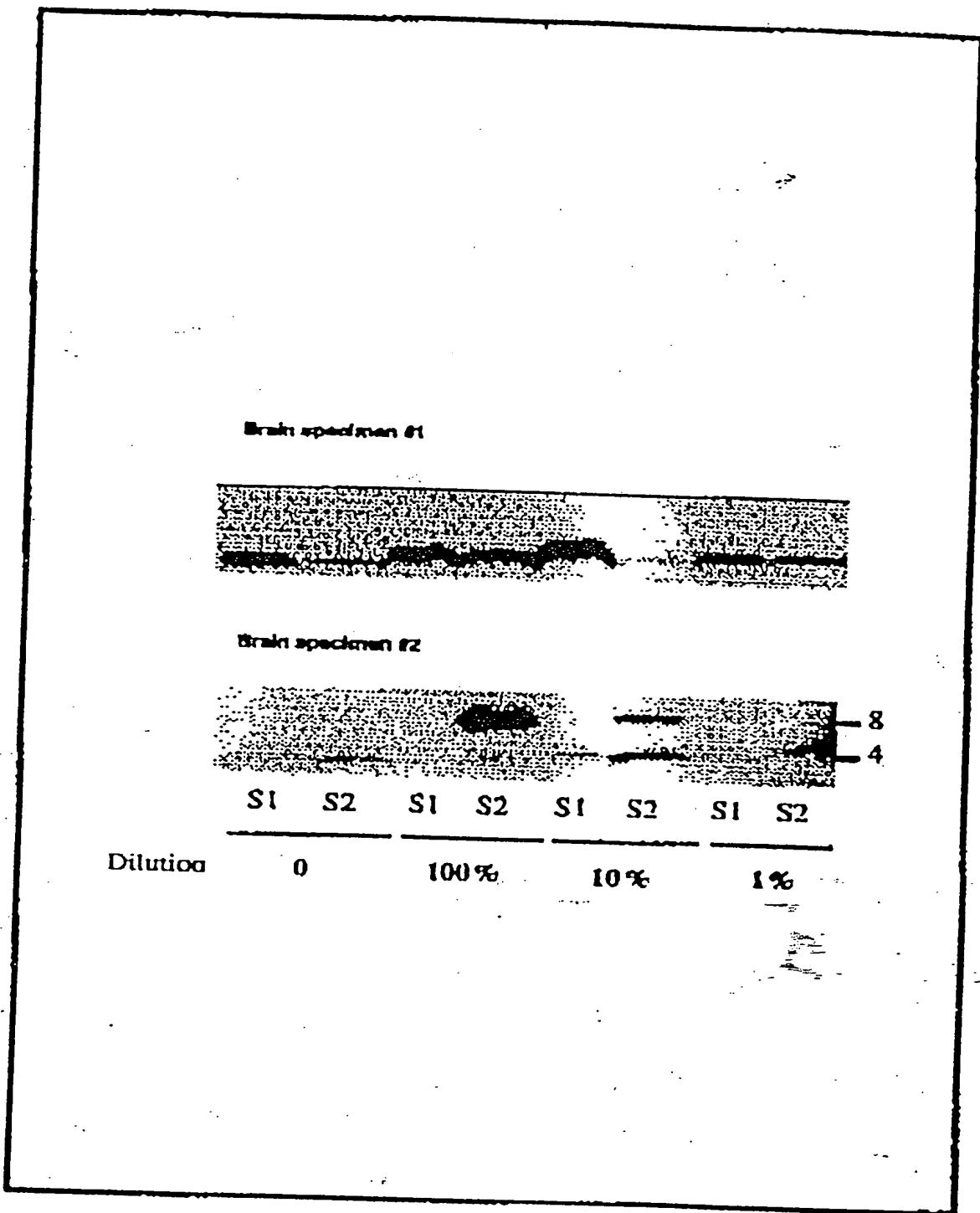


Fig. 24

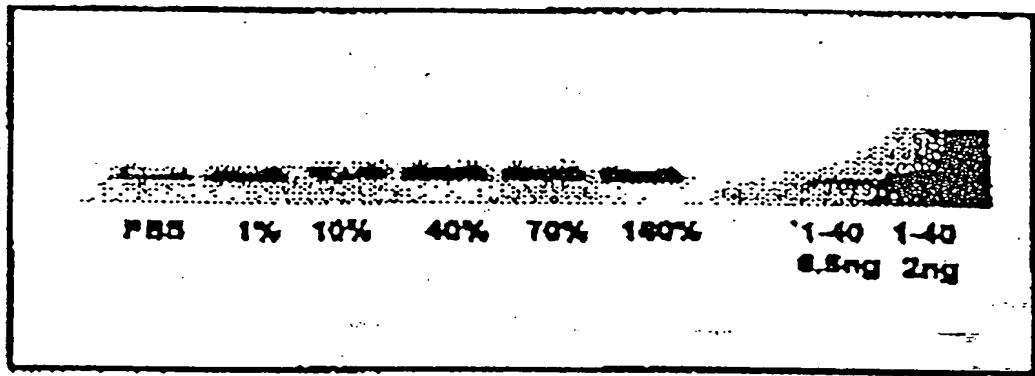


Fig. 25A

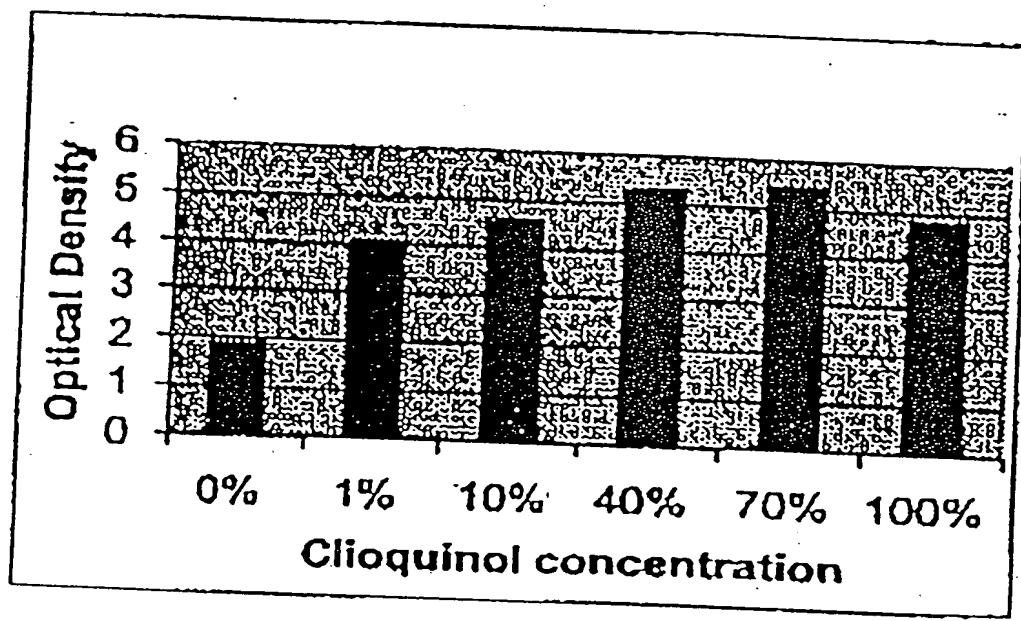
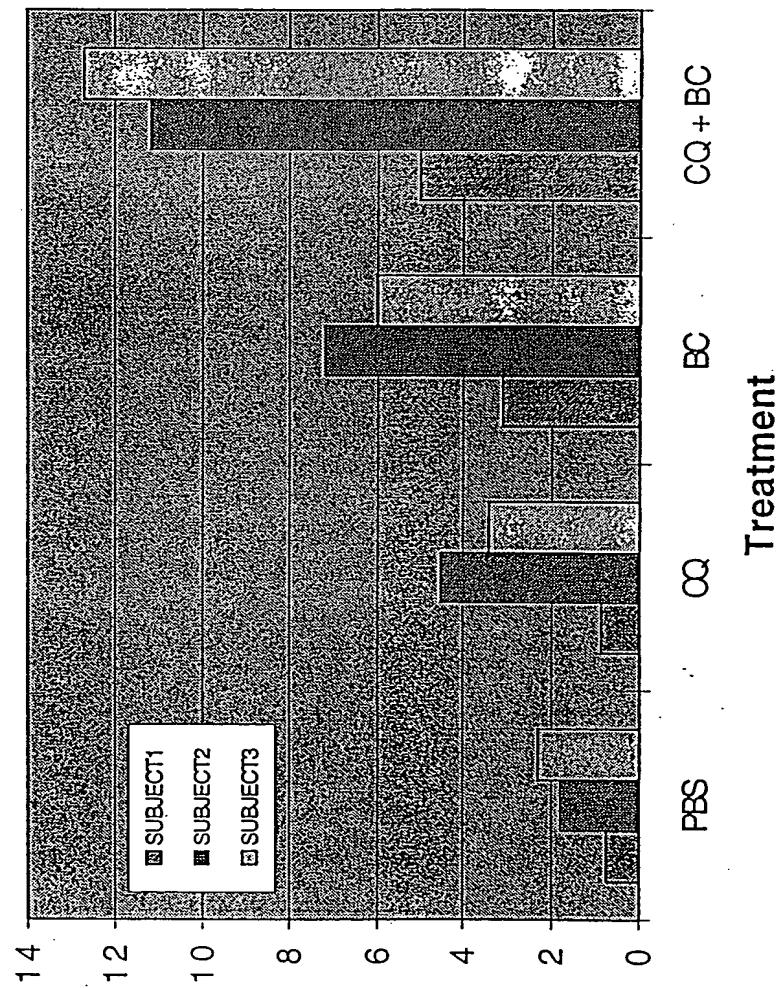


Fig. 25B

119.26



000 000 000 000 000 000 000 000 000 000 000 000 000 000 000

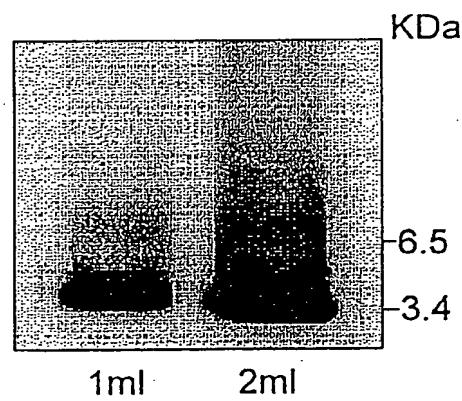


Fig. 27

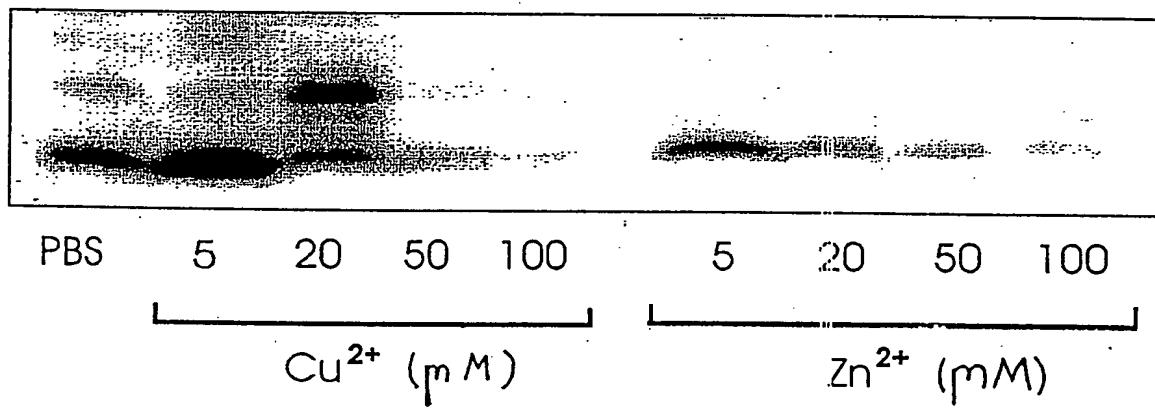
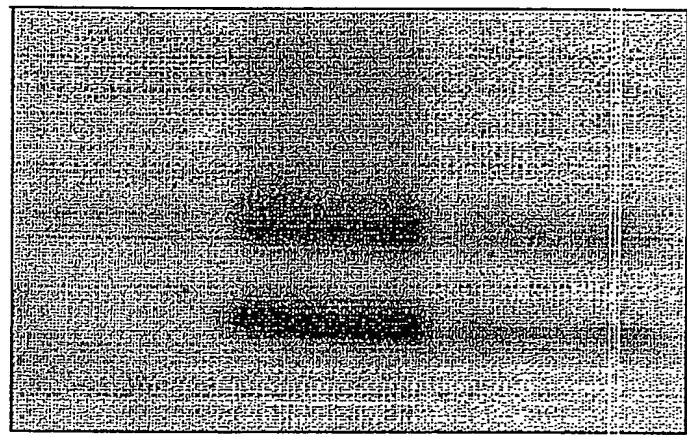


Fig. 28A



PBS Mg^{2+} Ca^{2+}

Fig. 28B

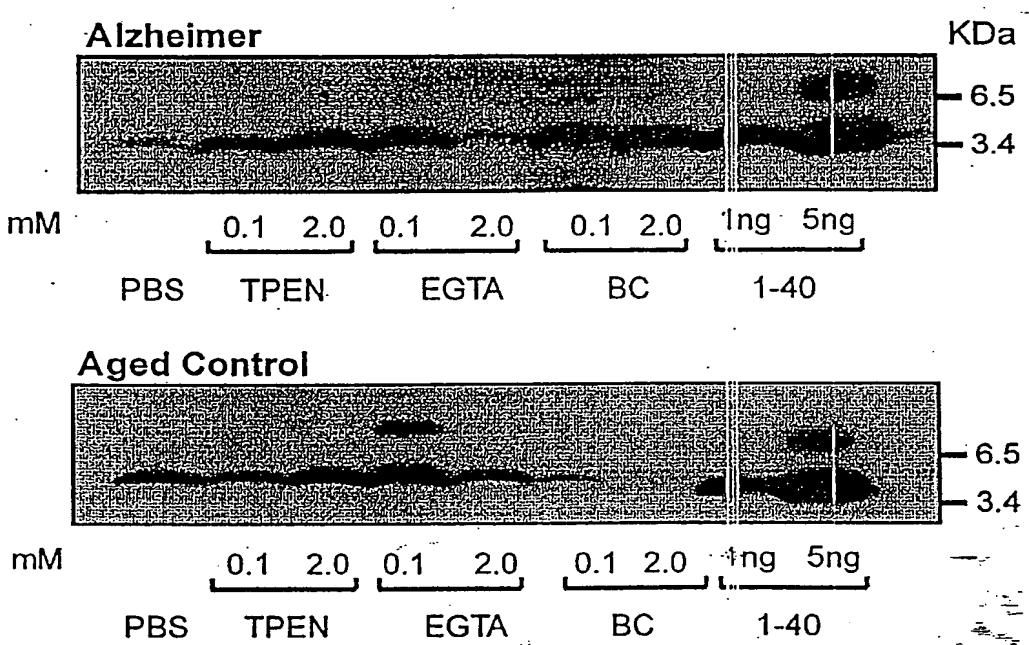


Fig. 29A

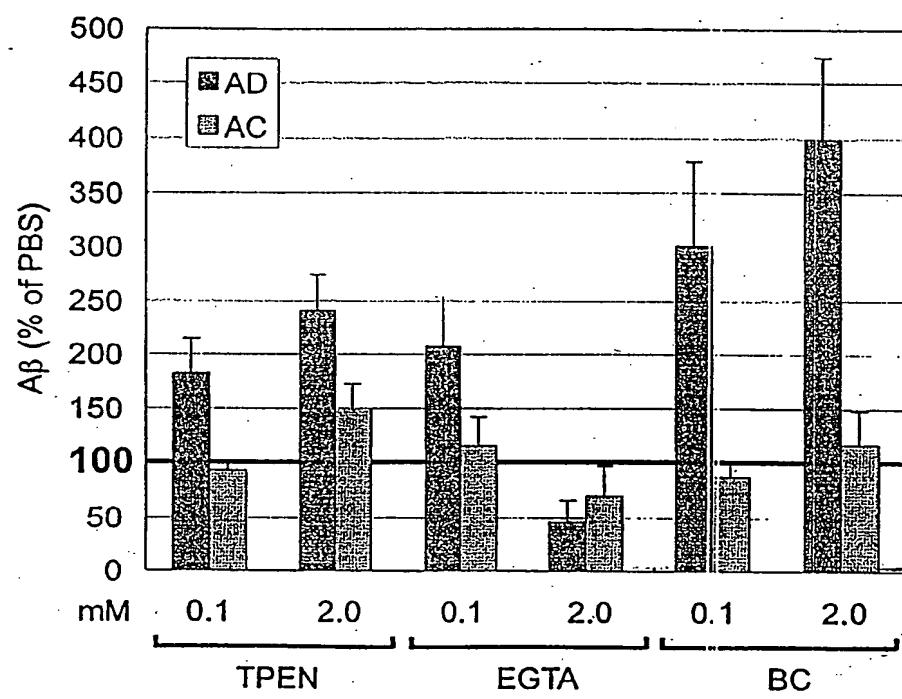


Fig. 29B

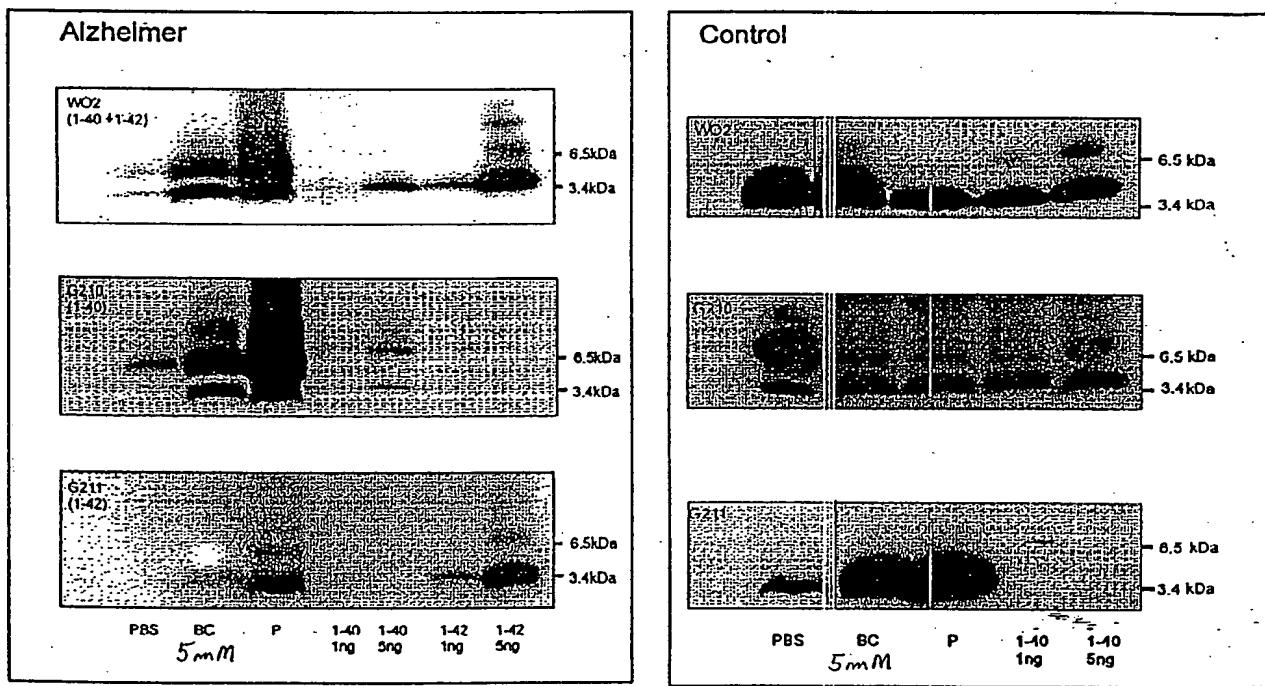
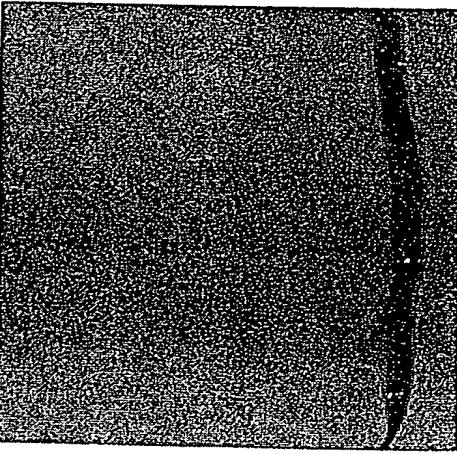


Fig. 30

AB1-40

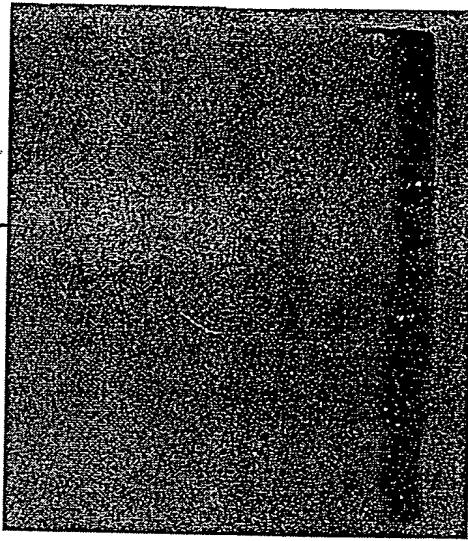
Metal	-	Cu	Cu	Fe	Fe
pH	7.4	7.4	6.6	7.4	6.6



Day 0

AB1-42

Metal	-	Cu	Cu	Fe	Fe
pH	7.4	6.6	7.4	6.6	7.4



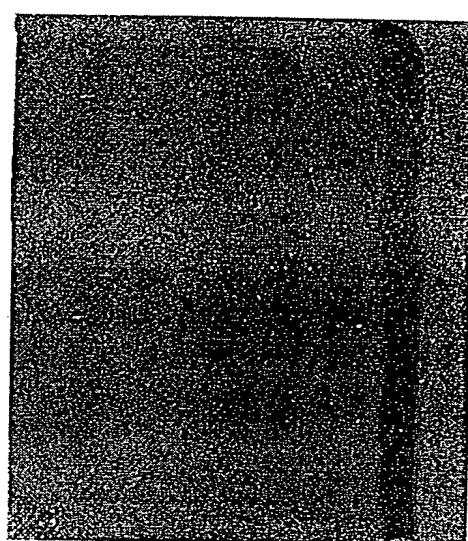
Day 0

AB1-42

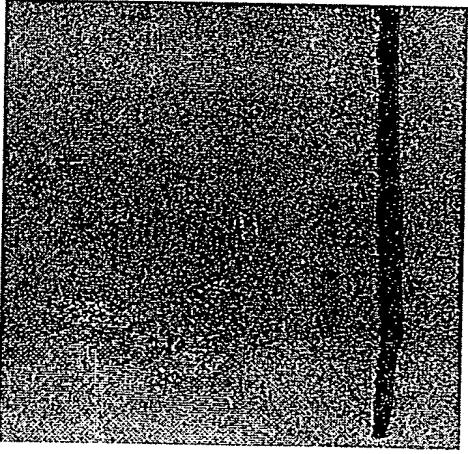
AB1-44

AB1-46

Day 3



-21.5
-14.3
-6.4
-3.5



-21.5
-14.3
-6.4
-3.5

Rat Aß1-40

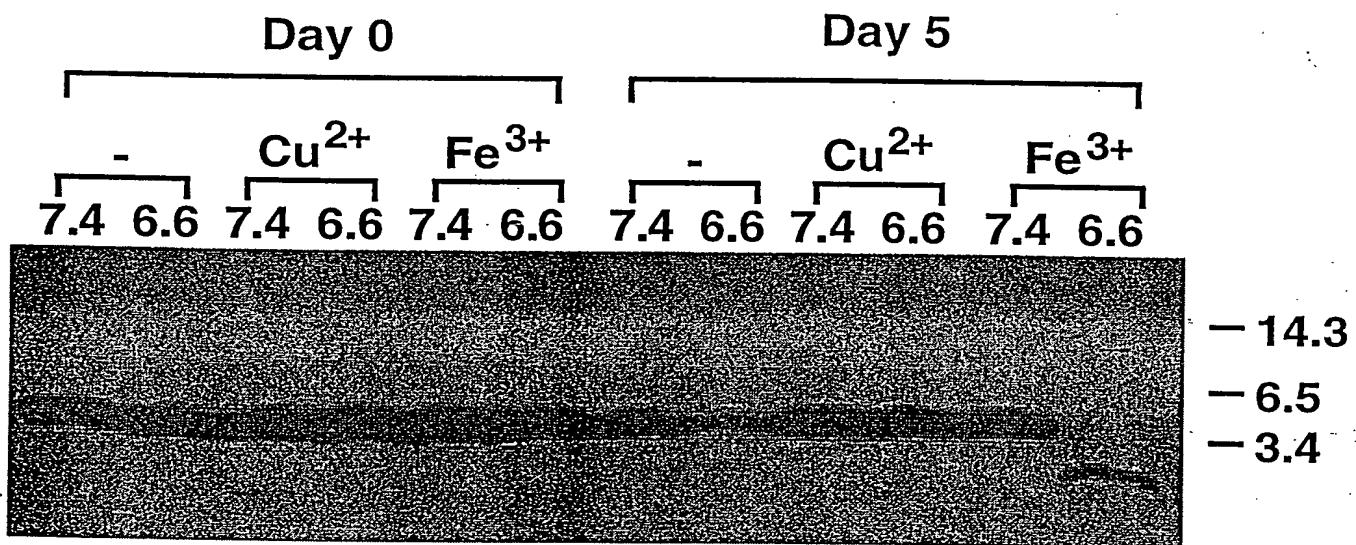


Fig. 31B

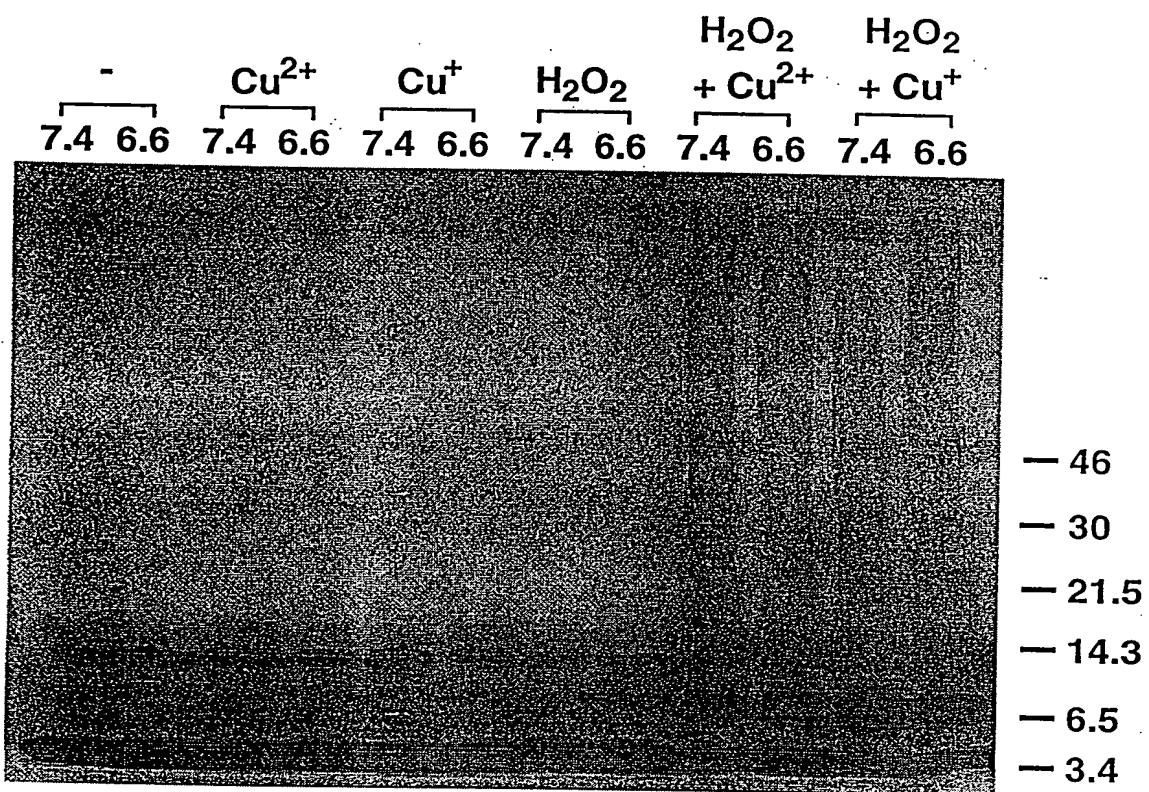


Fig. 32A

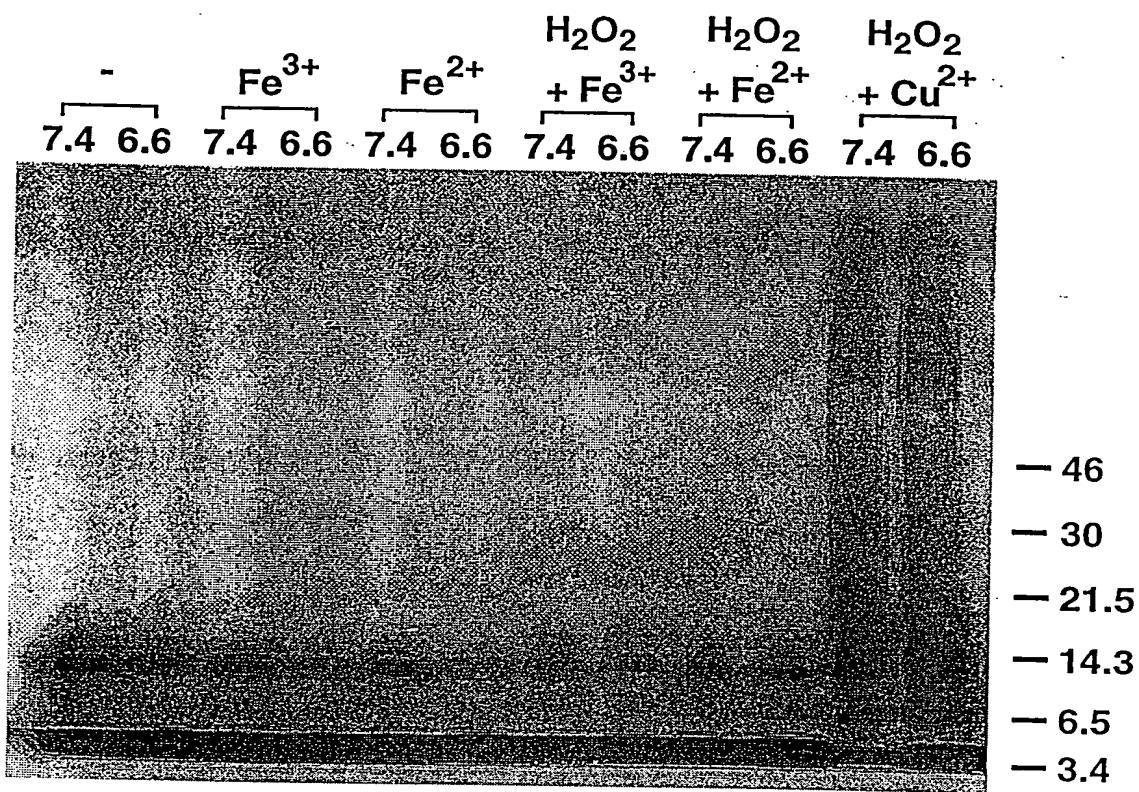


Fig. 32B

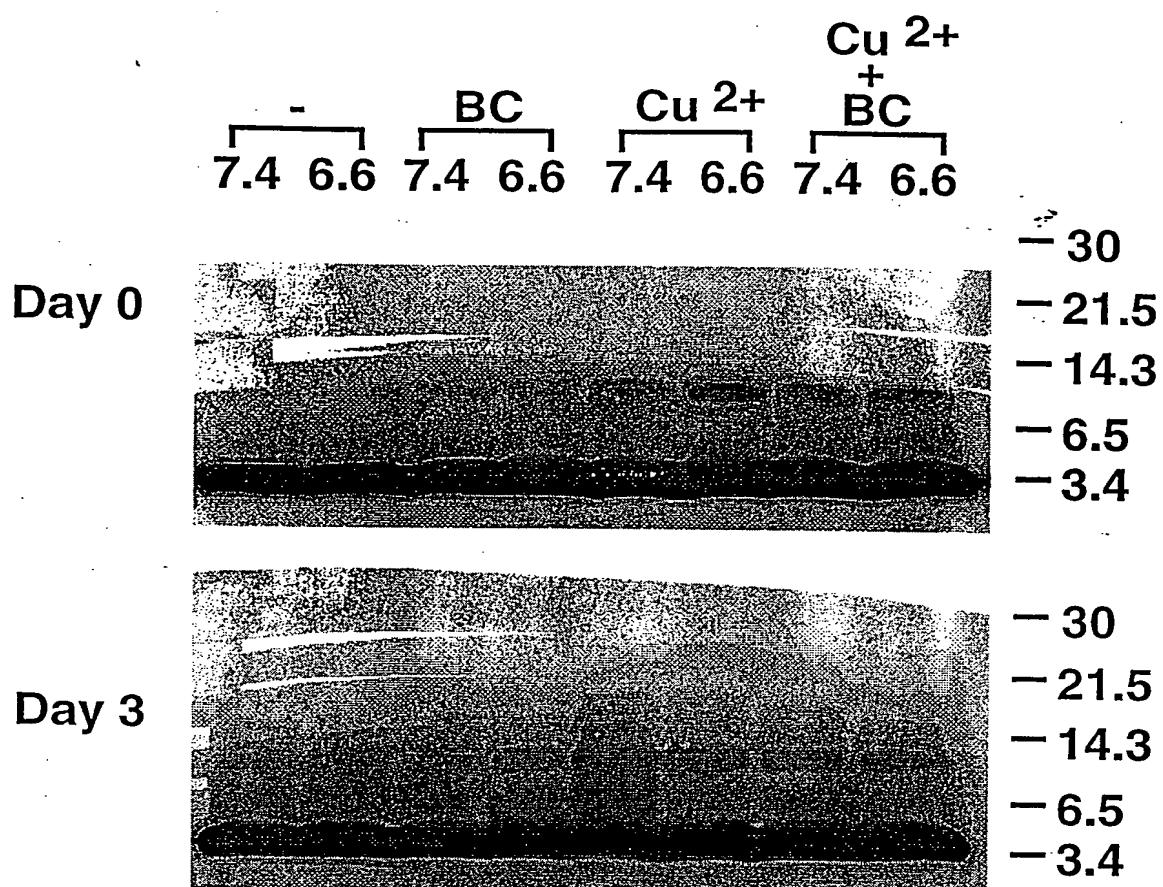


Fig. 32C

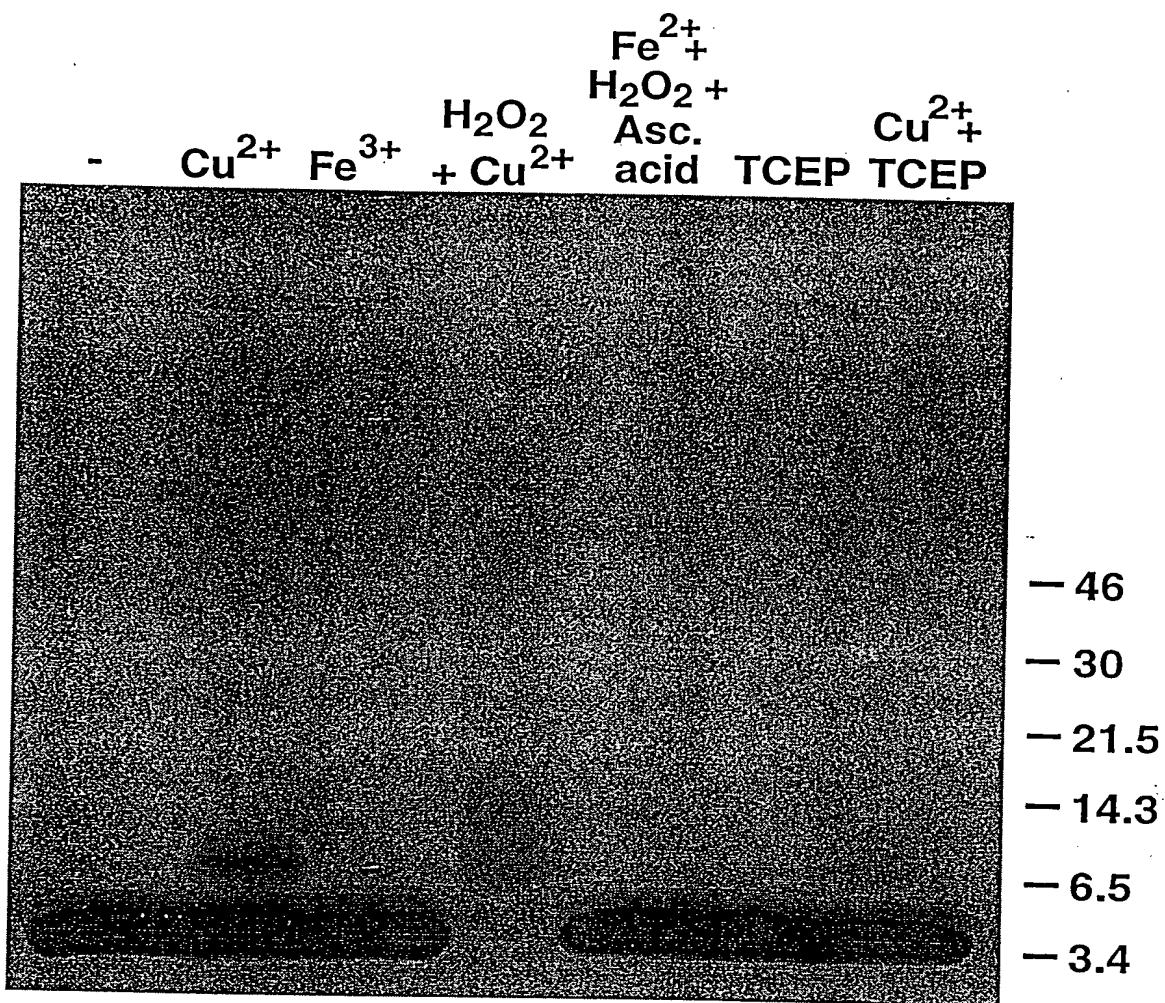


Fig. 33A

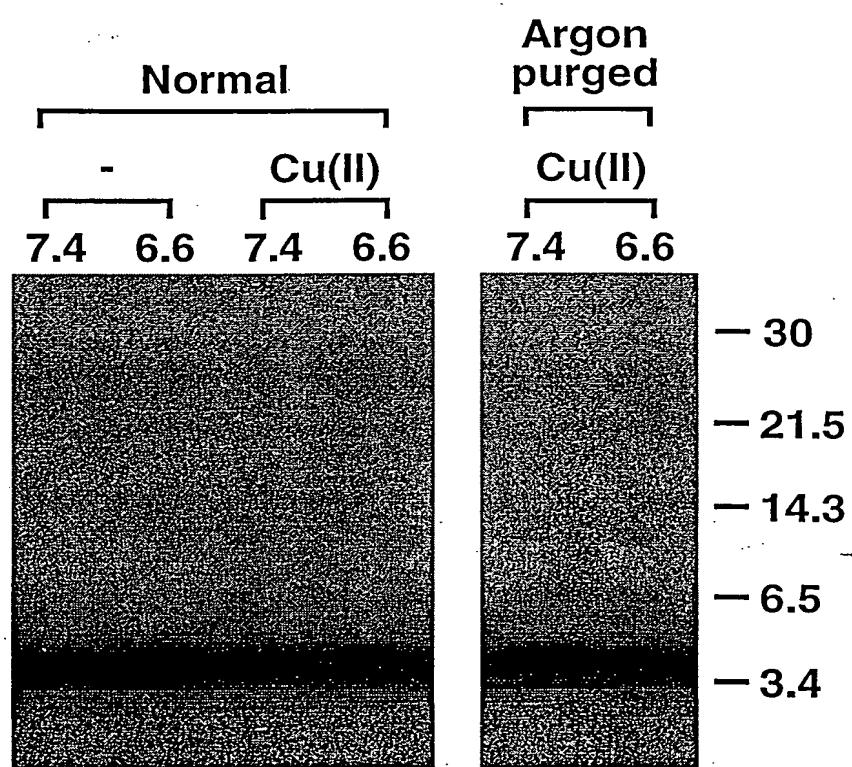


Fig. 33B

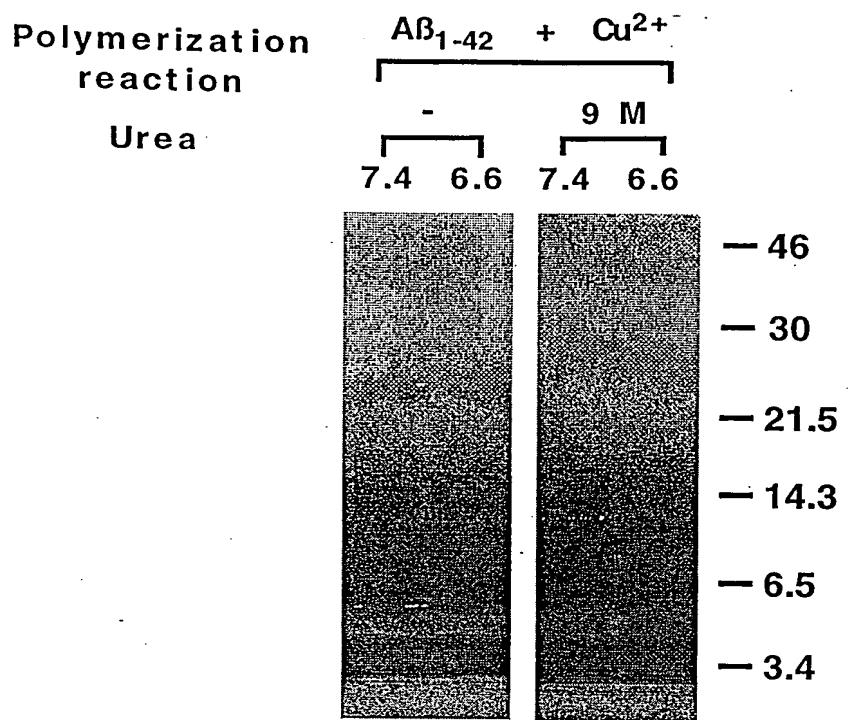


Fig. 34A

Polymerization $\text{A}\beta_{1-40}$ (2.5 μM) + Cu^{2+} (30 μM)/5 d incubation reaction

Chelator treatment

200 μM chelators/2 h incubation

- TETA EDTA DTPA CDTA NTA

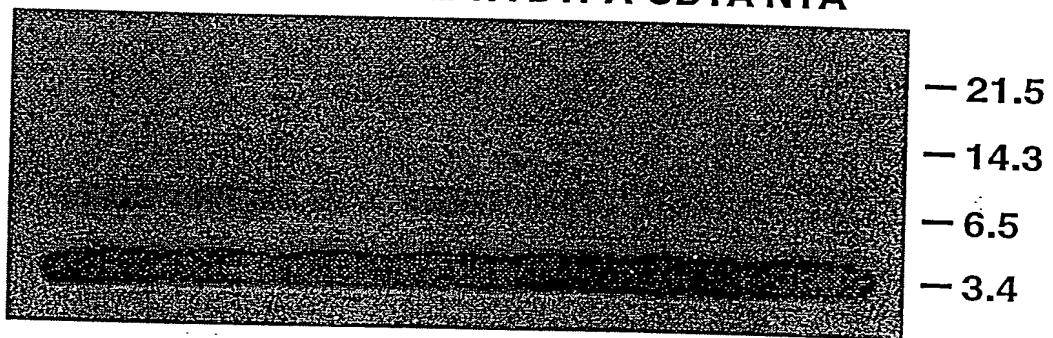


Fig. 34B

Polymerization $\text{A}\beta_{1-42}$ (2.5 μM) + Cu^{2+} (30 μM)/5 d incubation reaction

Chelator treatment

200 μM chelators/2 h incubation

- TETA EDTA DTPA CDTA NTA

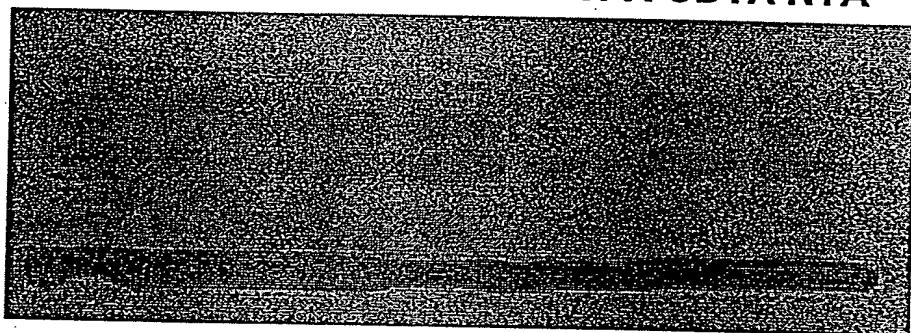


Fig. 34C

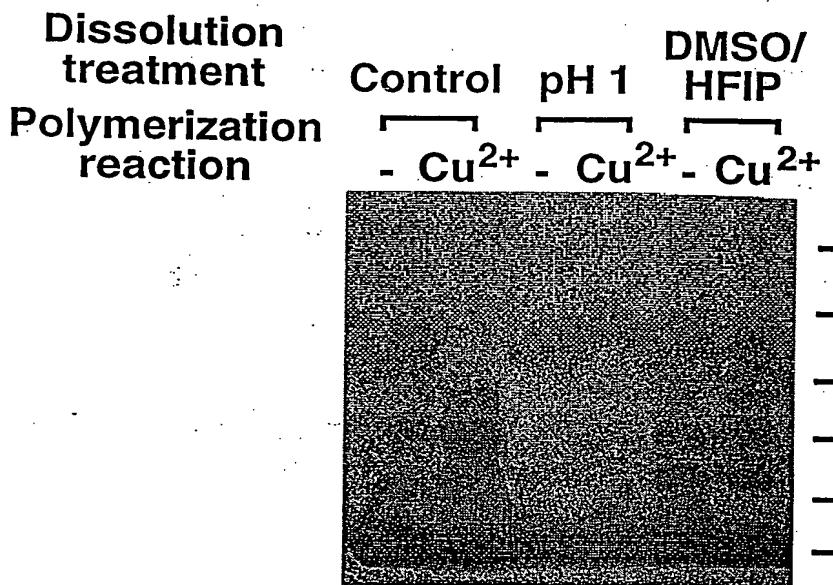


Fig. 34D

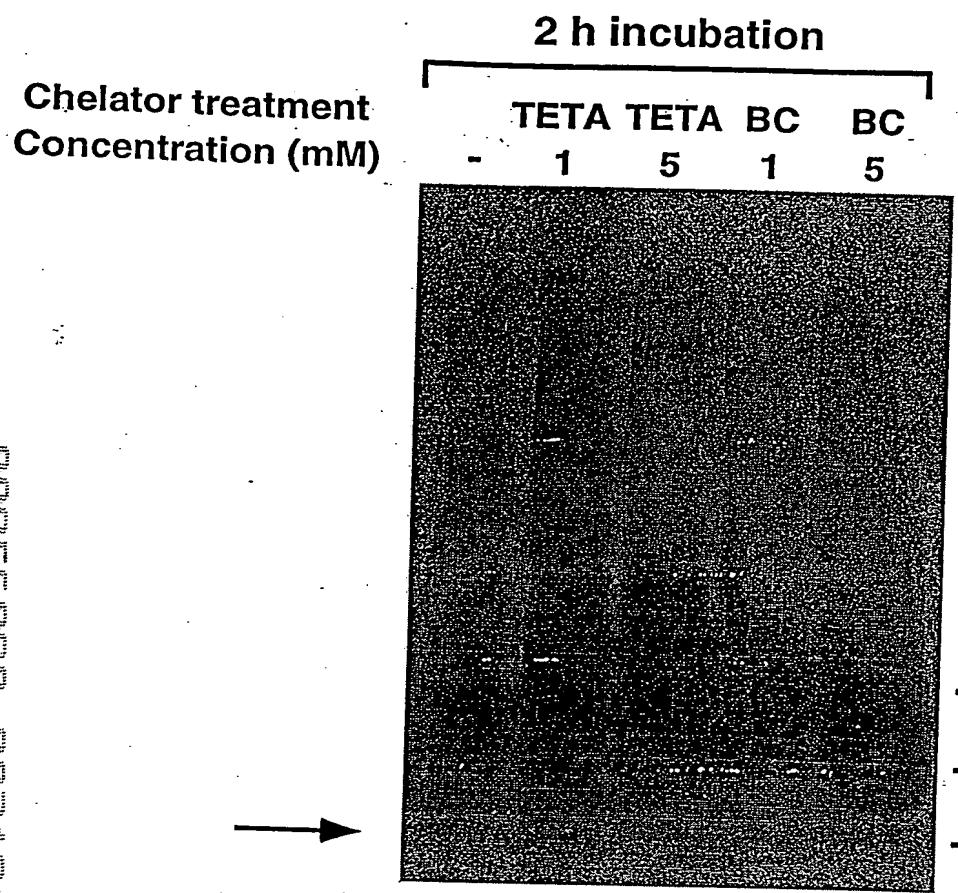


Fig. 34E